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THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Commencement 2013

Saturday, May Eleventh and Sunday, May Twelfth

TWO THOUSAND THIRTEEN

MESSAGE *from the* CHANCELLOR

Dear Graduates and Families:

The University of North Carolina is the oldest public institution of higher education in the country. It embodies the hopes for a democratic nation and the promise that education could make that democracy and the world better for future generations. We still believe in that promise at Carolina, and that is why we celebrate your graduation today.

The world has changed a lot since you entered UNC, and it needs you. Thanks to your Carolina education, you are ready for it. You have learned how to propose new ideas and have gained a worldview to understand their implications. You know the importance of extending opportunities to everyone.

On behalf of our faculty and staff, thank you to all the family members and friends who helped you through your educational journey. We know that you could not have done it without their love and support.

Welcome to the ranks of Tar Heel alumni who have gone out into the world and made a difference. We know you will, too. Carolina and Chapel Hill will be here for you. No matter where you go, you can count on our love and support. We can't wait to hear from you.

Hark the Sound!

H. Holden Thorp

HOLDEN THORP

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Gift - UNC Registrars Office

ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Doctoral Hooding Ceremony in the Dean Smith Center on Saturday and the main Commencement ceremony in Kenan Stadium on Sunday will be captioned on the video screens.

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services Building from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Bowman and Gordon Gray Distinguished Term Professor, Department of Chemistry* The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education and Doctor of Public Health The Official Party GRADUATE MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Holden Thorp, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	Adam Andrew Mitchell, *Bachelor of Music*
Remarks	For the Board of Trustees of the University of North Carolina at Chapel Hill Phillip L. Clay, *Secretary*
Introduction of the Commencement Speaker	Michael Bertucci, *President, Graduate and Professional Student Federation*
Commencement Address	Dan Ariely, *James B. Duke Professor of Psychology and Behavioral Economics, Duke University*
Conferring of Doctoral Degrees	Holden Thorp, *Chancellor* Bruce W. Carney, *Executive Vice Chancellor and Provost* Steven W. Matson, *Dean of the Graduate School*
Presentation of Faculty Award for Excellence in Mentoring	Steven W. Matson, *Dean of the Graduate School*
Chancellor's Charge to the Graduates	Holden Thorp, *Chancellor*
Recessional	*Hark the Sound* Adam Andrew Mitchell

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Bowman and Gordon Gray Distinguished Term Professor, Department of Chemistry* The Chief Student Marshals Representatives of the Faculty Fiftieth Reunion Participants The Candidates for the Degree of Doctor of Philosophy, Doctor of Education and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees The Official Party STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Holden Thorp, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Members of the Army Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Laura Catherine Buff, *Bachelor of Music With Honors, With a Second Major in Romance Languages, With Distinction*
Recognition of the Platform Party	Holden Thorp, *Chancellor*
Remarks	For the Board of Governors of the University of North Carolina Paul Fulton *Presentation of the UNC Board of Governors' Award for Excellence in Teaching—* Darryl J. Gless, *Professor of English and Roy C. Moose Distinguished Professor of Renaissance Studies* For The University of North Carolina Thomas W. Ross Sr., *President* For the Board of Trustees of the University of North Carolina at Chapel Hill Phillip L. Clay, *Secretary* For the General Alumni Association Eric Montross, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Joseph S. Ferrell, *Secretary of the Faculty*
Commencement Address	Stephen McConnell Case, *Co-founder, AOL; Chair, Case Foundation and Revolution*
Introduction of the Deans and Conferring of Degrees	Holden Thorp, *Chancellor*
Ceremonial Recognition of the Graduates	Tim Palmer, *President of the Class of 2013* Nora Chan, *Vice President of the Class of 2013*
Chancellor's Charge to the Graduates	Holden Thorp, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Laura Catherine Buff
Recessional	

HOLDEN THORP

Chancellor

Holden Thorp took office as Carolina's 10th chancellor on July 1, 2008. He has invested three decades of his life at the University, starting as an undergraduate student. Through his research, Thorp developed technology for electronic DNA chips and founded spin-off companies. He raised money for a science complex that has helped boost faculty research productivity, served as director of the Morehead Planetarium and Science Center and was dean of the College of Arts and Sciences.

Thorp announced in September 2012 that he planned to step down, effective June 30, 2013. He will become provost of Washington University in St. Louis on July 1 and hold an endowed professorship with appointments in chemistry and medicine.

A North Carolina native, Thorp grew up in a Fayetteville family steeped in UNC traditions dating to the 1800s. When he graduated from Terry Sanford High School, the only college on his application list was Carolina, where he earned a bachelor of science degree with honors in 1986.

Attending a world-class research university — where the same people conduct research and teach — allowed Thorp to work in chemistry labs with top faculty and inspired him to become a professor. He pursued that dream at the California Institute of Technology, where he earned a doctorate in chemistry in 1989, and at Yale University for postgraduate work. After teaching a year at NC State, he returned to UNC to teach chemistry in 1993. He was chair of the chemistry department and dean of the College of Arts and Sciences before becoming chancellor.

Thorp is driven to be sure that UNC students today have the same opportunities that he had as an undergraduate. "Carolina students are inspired to tackle the great problems facing the world," he says.

Thorp's priorities include protecting Carolina's legendary commitment to providing a high-quality education at an affordable price—core values that have kept the University and the chancellor in the spotlight as leaders during a national debate about college costs and the future of U.S. higher education. Thorp was among a dozen college presidents and higher education leaders invited to the White House with the president to discuss how campuses can become more affordable while producing more graduates.

The chancellor serves on the national Commission on Higher Education Attainment, which was created by the six presidentially based higher education associations to chart a course for improving

Continued on page 6

college retention and attainment and, in turn, restoring the nation's higher education preeminence. He is also on the national Homeland Security Academic Advisory Council.

Under Thorp's leadership, UNC launched "Innovate@Carolina: Important Ideas for a Better World," a roadmap for innovation in science, business, medicine, nonprofits and academia. He serves on the president's National Advisory Council on Innovation and Entrepreneurship, which held its first national forum in Chapel Hill, and co-authored "Engines of Innovation — The Entrepreneurial University in the 21st Century," a UNC Press book that makes the case for the pivotal role of research universities as agents of societal change. Royalties support innovation at UNC. He has published 130 scholarly articles on the electronic properties of DNA and RNA, holds 12 issued U.S. patents and co-founded Viamet Pharmaceuticals, which is developing drugs for prostate cancer and fungal infections. In 2012, Thorp was selected a charter fellow of the National Academy of Inventors, a nonprofit organization that recognizes investigators who translate their research findings into inventions to benefit society. Most recently, he was honored with the establishment of the Chancellor Holden Thorp Faculty Engaged Scholars Endowment at the Carolina Center for Public Service. He was also named chair of a new National Research Council committee tasked with establishing and promoting a culture of safety in academic laboratory research.

An accomplished musician who plays jazz bass and keyboard, Thorp is married to Patti Worden Thorp, a Hope Mills native and UNC Greensboro graduate. Their children are John and Emma.

Board of Trustees

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Chapel Hill, N.C.

Doctoral Hooding Speaker

DAN ARIELY

Social scientist Dan Ariely is the James B. Duke Professor of Psychology and Behavioral Economics at Duke University, where his academic affiliations span business, cognitive neuroscience, economics and medicine.

He is renowned for research that explains psychological processes determining day-to-day human decisions and for his effectiveness in communicating the possible implications of this human behavior. He is the author of a widely read Wall Street Journal column called "Ask Ariely," and is the author of three books (all New York Times bestsellers): "Predictably Irrational: The Hidden Forces That Shape Our Decisions," "The Upside of Irrationality: The Unexpected Benefits of Defying Logic at Work and at Home," and his most recent work, titled "The Honest Truth About Dishonesty: How We Lie to Everyone — Especially Ourselves."

Additionally, Ariely is the founding member of the Center for Advanced Hindsight, based at Duke, where research topics are as diverse as wealth distribution, dating behavior, health care and consumer decisions.

Ariely received his master's degree and doctorate in cognitive psychology from the University of North Carolina at Chapel Hill. He went on to receive a second doctorate in business administration from Duke.

Before joining the Duke faculty, Ariely held academic appointments at the Massachusetts Institute of Technology (1998–2008), the University of California at Berkeley (2001–2002) and the Institute for Advanced Study at Princeton (2005–2007).

Officers of the Class of 2013

Tim Palmer, *President*
Nora Chan, *Vice President*
Brennan Fox, *Chief Marshal*
C. Hawkins '00, *Advisor*
Bianca Bell '11, *Annual Fund Liaison*

Officers of the Class of 2014

Georgia Walker, *President*
Tony Botros, *Vice President*
Rachel Uhlman, *Chief Marshal*
C. Hawkins '00, *Advisor*
Bianca Bell '11, *Annual Fund Liaison*

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Kelly Blessing
Jerry Bowens
Sara Brady
Derek Buchanan
Lindsay Casper
Josh Clinard
Emily Ellis
Cheyenne English
Ashley Fox
Jordan Graves
Jane Hall
Abby Harrill
Janae Hinson
Colin Hodges
Mike Hourigan III
Laura Kessler
Sarah Mafe
Logan Mauney
Denzel McCollum
Maddy Merrill
Khadija Mohamed
Symone Morales
Thomas Mosley
Antoinette Newsome
Moni Oyedepo
Amber Pace
Nish Patel
Swati Rayasam
Ray Sawyer
Simon Scholl
Lauren Seiple
Kara Simpson
Kathryn Singsank
Justin Sodoma
Kimmy Summers
Emily Tracy
Becca Vinson
Jeff White

Marshals of the Class of 2014

Zachary Alexander
Andrea Alonso
Ana Amaya
Gabriel Baylor
Mary Morgan Bitler
Jeri Brown
Michael Cash
Tricia Cleppe
Chelsey Dulaney
Chris Felix
Seve Gaskin
Shelby Goerne
Kathleen Goolsby
Amy Hammond
Breanna Harris
Alex Jackson
Suzanne Jasmine
Phillip Krouse
Ashcon Livingston
Farrell Murphy
Derek Murray
Ping Nguyen
Jordan Paschal
Beejal Patel
Harsh Shah
Sara Shariff
Melissa Shulman
LaDarian Smith
Anna Spickard
Walker Swain
Jessi Tremayne
Cheyenne Turner
Roli Tyagi
Warner Underwood
Neha Vennekkat
Anna Volz
Corinne White
Tommy Yandle

Graduate and Professional Student Federation Officers, 2013

Michael Bertucci, *President*
Julie Lauffenburger, *Vice President of Internal Affairs*
Kiran Bhardwaj, *Vice President of External Affairs*
Nicole Zane, *Chief of Staff*
JoEllen McBride, *Treasurer*
James Grinias, *Secretary*

Speaker and Honorary Degree Recipient

STEPHEN McCONNELL CASE

DOCTOR OF LAWS

Steve Case is a businessman and philanthropist, and was recently described by CNBC as "one of the nation's greatest entrepreneurs." In 1985, Case co-founded America Online, which under his leadership became the world's largest and most valuable Internet company, and helped drive the worldwide adoption of a medium that has transformed business and society. Focusing on communication features such as chat rooms, instant messaging and forums, AOL was a pioneer of the concept of social media. Case later negotiated what remains the largest merger in business history between AOL and Time Warner, and served as chair of the combined company until 2003. In 2005, he returned to his entrepreneurial roots and launched Revolution, an investment firm that seeks to partner with entrepreneurs in building businesses that give people more choice, control and convenience in important areas of their lives. Through Revolution, Case has invested in more than two dozen companies, including LivingSocial and Zipcar. A resident of the Washington, DC area for more than 25 years, Case is also an ardent supporter of entrepreneurs in the nonprofit and public policy arenas. In 2011, President Obama appointed him chair of the Startup America Partnership, a private sector initiative aimed at spurring the growth of entrepreneurial ecosystems across the United States. Case also served on the President's Council on Jobs and Competitiveness, where he chaired the efforts focused on entrepreneurship, and currently co-chairs the National Advisory Council on Innovation and Entrepreneurship. Believing in the mantra of "to whom much is given, much is expected," Case also has deep philanthropic roots. In 1997, he and his wife Jean created the Case Foundation, which unites the principles of entrepreneurship, innovation and technology to make philanthropy and giving more effective. The Case Foundation has invested in hundreds of organizations, initiatives and partnerships over the past 15 years. In addition, the Cases joined The Giving Pledge, started by Bill Gates and Warren Buffett, and publicly reaffirmed their commitment to give away the majority of their wealth. Case's honors include the National Mentoring Partnership Leadership Award, the Junior Achievement U.S. Business Hall of Fame and appointment as a Citizen Regent of the Smithsonian Institution. Case is no stranger to Carolina, having visited the campus in 2011 to speak and participate with Chancellor Holden Thorp in the first national forum of the National Advisory Council on Innovation and Entrepreneurship.

Honorary Degree Recipient

BERNARD J. FLATOW

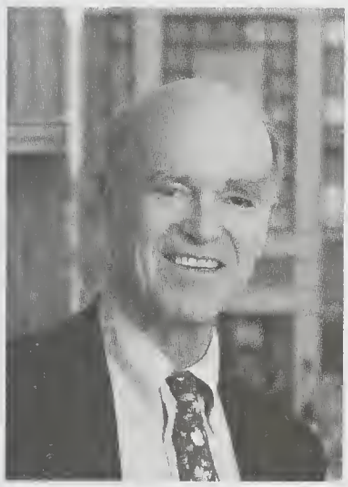
DOCTOR OF LAWS

Bernard Flatow began his academic career at George Washington University with the idea of becoming a diplomat, but timely advice from a mentor pointed him toward Carolina's then unrivalled Spanish program with the likes of Sturgis Leavitt, Sterling Stoudemire, Ralph Boggs and Nicholas Adams. Flatow earned his B.A. in Latin American Studies from Carolina in 1941 and used that foundation to begin a lifelong career in interactions between America and Latin America. He became a diplomat not in the world of political affairs but in the world of business and public relations. In the 1950s, Flatow worked in Bolivia as director of public relations for one of the largest tin mining companies in the world and later in a similar position for The Texas Company and Sinclair in Colombia and Venezuela. From the mid-1960s through the mid-1980s, Flatow handled public relations in Latin America for Pepsi-Cola and 20th Century Fox. He used these extensive contacts with Latin America to spearhead exchange programs. One brought 54 Mexican professionals in 21 areas of study to Chapel Hill. Another created an exchange program between Venezuela and the Kenan–Flagler Business School, and a third exchanged specialists in physical therapy and rehabilitation of the blind between Mexico and Carolina's School of Medicine. This work garnered Flatow membership in the Mexican Institute of Culture as the first, and at the time only, North American member of that distinguished body. Starting in 1949, Flatow began collecting rare books pertaining to the early history of European contacts with the New World. His specialty was cronistas — journals kept by Spanish and Portuguese explorers documenting the discovery, conquest and colonization of what Europeans called the New World. Today, the Bernard J. Flatow Collection of Latin American Cronistas, housed in Carolina's Rare Book Collection, is one of very few such collections in the world. The collection has attracted widespread scholarly interest and stands as one of the priceless gems in Carolina's renowned collection of library materials. Flatow's awards include the General Alumni Association's Distinguished Service Medal (1983), the Board of Trustees' William Richardson Davie Award (1987), and the Silver Anvil Award from the Public Relations Society of America for the introduction of Sesame Street in Latin America in both Spanish and Portuguese.

Honorary Degree Recipient

JOEL LAWRENCE FLEISHMAN

DOCTOR OF LAWS



Joel Fleishman earned three degrees from Carolina (B.A., 1955; J.D., 1959; M.A., 1960) and one from Yale (LL.M., 1960). He was inducted into Phi Beta Kappa and the Order of the Golden Fleece. Although many of Carolina's alumni have gone on to make extraordinary contributions in a wide variety of venues, few, if any, can match the singular career of Joel Fleishman in all its elements: professor, university administrator, author, scholar, public servant, philanthropist and expert on fine wines. After completing his studies at Yale, Fleishman joined the administration of Governor Terry Sanford as his legal assistant. In that position, he was instrumental in the establishment of the Governor's School and the North Carolina School of the Arts. He then returned to Yale where he helped establish the Center for the Study of the City, an early leader in encouraging scholarly research on urban problems. In 1971, he rejoined Governor Sanford, then president of Duke University, to found what is now known as the Sanford School of Public Policy. Subsequently, he held a series of senior leadership positions at Duke, culminating in his appointment as first senior vice president. In 1993, he became president of The Atlantic Philanthropic Service Company, which provides program staff for one of the world's largest private charitable foundations. In 2003, Fleishman returned to Duke to provide leadership in numerous initiatives, most recently as faculty chair for the Center for Strategic Philanthropy and Civil Society. Since the 2007 publication of his book "The Foundation: A Great American Secret — How Private Wealth is Changing the World" and the 2011 release of another book, "Give Smart: Philanthropy That Gets Results," which he co-authored with Thomas J. Tierney, Fleishman has emerged as the leading expert on increasing the impact of philanthropic institutions. Along the way, he shared his love of fine wines by writing a monthly column on wine for Vanity Fair and serving as wine consultant to The 21 Club in New York. He currently serves as chair of the Board of Trustees of the Urban Institute, and formerly was chair of the Visiting Committee of the Kennedy School of Government at Harvard. Fleishman is a Fellow of the American Academy of Arts and Sciences. His honors include Carolina's Distinguished Alumnus Award (1999); Duke University's highest award, The University Medal (2009); and honorary degrees from Methodist College and Ben-Gurion University of the Negev in Israel.

Honorary Degree Recipient

FREEMAN A. HRABOWSKI III

DOCTOR OF LAWS

Freeman A. Hrabowski is president of the University of Maryland, Baltimore County (UMBC). Under his leadership and with the aid of philanthropists Robert and Jane Meyerhoff, UMBC established the Meyerhoff Scholars Program in 1998. Originally designed to identify, recruit and prepare future African American scientists, engineers and mathematicians, the highly selective program, which maintains a focus on underrepresented minority students, is now open to all students interested in pursuing advanced degrees and research careers in STEM disciplines (science, technology, engineering and mathematics). The Meyerhoff Scholars family now has more than 800 alumni across the nation, 300 of whom are currently enrolled in graduate or professional programs. In line with the same fundamental beliefs about access and equal opportunity, UMBC established the Center for Women in Technology Scholars Program in 2001 to address the underrepresentation of women in information technology. Hrabowski's experience with the Meyerhoff Scholars Program provided grounding for his longstanding research interest in science and math education. In addition to numerous articles and chapters, he is the co-author of two books, "Beating the Odds: Raising Academically Successful African American Males" and "Overcoming the Odds: Raising Academically Successful African American Young Women." Hrabowski's contributions are not limited to higher education. He has broad influence as a consultant to the National Science Foundation, the National Institutes of Health, the National Academies and the United States Department of Education, among others. A native of Birmingham, Alabama, Hrabowski at the age of 12 was a child-leader in the Civil Rights Movement. He participated in the Children's March in 1963 and spent five days in the Birmingham City Jail for his efforts. He was prominently featured in Spike Lee's 1997 documentary, "Four Little Girls," which told the story of the bombing of Birmingham's Sixteenth Street Baptist Church. Hrabowski is a Fellow of the American Academy of Arts and Sciences and the American Philosophical Society. He holds honorary degrees from Princeton, Harvard, Duke, Georgetown, Michigan and more than 15 other institutions. In 2008 he was named one of "America's Best Leaders" by U.S. News & World Report. Time named him one of "America's Ten Best College Presidents" in 2009 and one of the "100 Most Influential People in the World" in 2012. Also in 2012, he received the Heinz Award for outstanding accomplishment in improving the human condition.

Honorary Degree Recipient

MARY POPE OSBORNE

DOCTOR OF LETTERS

Mary Pope Osborne is dedicated to the idea that all children should have the opportunity to develop a passion for reading. Once ignited, she believes, that passion can be a fierce motivation for changing their lives for the better. Osborne's first book, "Run, Run, As Fast As You Can" (1982), was a semi-autobiographical story of a young girl growing up in a military family. When Osborne was 15, her own military family settled in Fayetteville, North Carolina, where her father retired. There, she became involved in the Fayetteville Little Theater and her imagination took flight. Osborne enrolled in Carolina, earning her B.A. degree in dramatic art and religious studies in 1971. After traveling all over the Middle East, living in a cave in Crete, enduring an earthquake in Afghanistan, and surviving blood poisoning in Nepal, she settled in Washington, DC, and later married Will Osborne, another UNC alumnus, whom she met while he was acting in "Diamond Studs." Osborne moved to New York City, where she began an extraordinary career as an author. Her most successful work has been the "Magic Tree House" series, in which a brother and sister, Jack and Annie, discover a tree house filled with books near their home. As they read the books, a wish transports the children to each book's time and place. To date, the series includes 50 fiction titles, plus 25 "Fact Tracker" nonfiction companion titles. The series has been published in more than 35 languages and has sold more than 100,000,000 copies. It is the most popular series of children's books of all time. Will Osborne has created a full-scale musical adaptation, "Magic Tree House: The Musical," that premiered in 2007, and his "Magic Tree House: Space Mission" plays daily at the Morehead Planetarium and Science Center here in Chapel Hill. Osborne's honors include the Ludington Memorial Award from the Educational Paperback Association, a Lifetime Achievement Award from the Random House Sales Force, and the presidency of the Authors Guild (1993–1997). Osborne is a leading advocate for literacy on a global scale, working to provide access to books for children in need throughout the world. As a gift to educators and their students, in 2012, Osborne created Mary Pope Osborne's Classroom Adventures Program, which provides lesson plans and other resources free of charge to teachers, and Mary Pope Osborne's Gift of Books, which donates collections of "Magic Tree House" books to underserved schools around the country.

A MESSAGE *to* CAROLINA'S NEWEST ALUMNI

Congratulations! You are now graduates of the University of North Carolina at Chapel Hill. Let your General Alumni Association help you make a seamless transition from students to alumni — no matter where you find yourselves after graduation. Visit alumni.unc.edu/youngalumni.

GETTING STARTED

Don't miss out on special invitations and services. Call (877) 377-7125 or visit alumni.unc.edu/update to keep your official University record updated. Jump start your network with Carolina alumni — join the GAA's groups on Facebook and LinkedIn.

ALUMNI CAREER SERVICES

Networking is the most effective approach to finding a job. The GAA can connect you with more than 7,000 alumni volunteers in our Alumni Advisor Network who can help you explore career options.

GAA members from the Class of 2013 have unlimited access (phone, email or in person) to the GAA's certified career coach for one year following graduation. If you're thinking about grad school, GAA members also receive discounts on Kaplan prep courses.

FINDING OTHER TAR HEELS IN YOUR AREA

- Local Carolina Clubs can be found in nearly 100 cities around the globe. Socialize, network, cheer on the Heels and continue that spirit of Tar Heel service within your community.
- The GAA's Online Alumni Directory can help you develop a network like no other. The directory includes nearly 270,000 former Carolina students.

TRUSTED INFORMATION SOURCE

The "Carolina Alumni Review," the "Out of the Blue" e-newsletter, the GAA's Twitter feed and alumni.unc.edu can keep you updated on the University's achievements and challenges as well as what's going on in Chapel Hill.

Congratulations again. We hope you'll choose to join the nearly 67,000 GAA members who remain connected and help serve Carolina and our students — past, present and future. The GAA offers new grads a one-year membership for only $25 — a $20 savings off our annual dues rate. Or save $50 on life membership — only $28.25/month for 24 months.

For more information on how the Association serves new graduates, please call Brandon Copeland '12 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University

CAROLINA ANNUAL FUND *and* 2013 SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future.

As Carolina students, you have been touched every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campuswide programs. Or, to make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund.

All gifts are included in the Senior Campaign and Annual Fund. Thank you to those who have already made your gift. **Give online at annualfund.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309.** For more information about the 2013 Senior Campaign, visit annualfund.unc.edu/students.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Carolina Annual Fund young alumni Facebook page (facebook.com/UNCYoungAlumni) and Twitter page (@UNCYoungAlumni). Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit youngalumni.unc.edu.

CLASS OF 1963 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1963 will join the academic processional at commencement and will precede the undergraduates. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Community Preparedness and Disaster Management
Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African and Afro-American Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; German; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Journalism and Mass Communication
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Auditory Learning in Young Children
Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; Russian and East European Studies; School Psychology; Slavic Languages and Literatures; Sociology
Master of Arts in Teaching
Master of Arts in Technology and Communication
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Laws
Master of Physical Therapy
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Marine Sciences;

Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Public Health Nursing; Rehabilitation Counseling and Psychology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Management
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

WEST FRANKLIN STREET
EAST FRANKLIN STREET
University Square
COLONY CT.
FRATERNITY CT.
McCorkle Place
Coker Arboretum
Visitors Center
Morehead Planetarium
Sundial
HOOPER LANE
SENLAC ROAD
BOUNDARY STREET
EAST FRANKLIN
PARK PLACE
Park Place Lot
Brooks Hall
Davie Hall
WEST CAMERON AVENUE
EAST CAMERON AVENUE
Peabody
Phillips
Carolina Inn
Polk Place
Lower Quad
Upper Quad
Forest Theatre
COBB DRIVE
LENOIR DRIVE
Davis Library
Wilson Library
The Pit
Frank Porter Graham Student Union
Caudill Labs
Kenan Labs
McCAULEY STREET
VANCE STREET
UNIVERSITY DR.
SOUTH ROAD
Stone Cultural Center
Bell Tower
Memorial Grove
Fetzer Gymnastics
Woollen
Carmichael Arena
Hooker Fields
Fetzer Grandstands
Bell Track & Fetzer Field
Eddie Smith Field House
Navy Field
Kenan Football Center
Kenan Stadium
Smith Center Fitness
Bell Tower Parking Lot
Health Affairs Back Store
UNC HOSPITALS
Dentistry
Dental Circle
Bryson Field
Ehringhaus Field
Student Academic Services
Public Safety
Water Tower
Craige Parking Deck
Student Family Housing
Odum Village
Ram Village at Paul Hardin Dr
Educational Foundation Parking Deck
Kenan Center
McCall
Dean E. Smith Student Activities Center
Kenan Memorial
Coker Pinetum and Meeting at the Waters Creek
Bailey Hall Student Family Housing
Ayrock Family Museum
Outdoor Education Center
RIDGE ROAD
STADIUM DRIVE
EMERGENCY ROOM DRIVE
HOSPITAL DRIVE
MANNING DRIVE
NEW EAST DRIVE
WEST DRIVE
PAUL HARDIN DRIVE
SKIPPER BOWLES DRIVE
WILLIAMSON DRIVE
KENAN CENTER DRIVE
WILLIAM BLYTHE DRIVE
NIBBARO DRIVE
BERNARD ST.
EHRINGHAUS DR.
HINTON JAMES DR.
MASON FARM ROAD
PUREFOY ROAD
WHITEHEAD CIRCLE
OTEYS ROAD
US 15-501 / NC 54 BYPASS
FORDHAM BLVD.
BAITY HILL DRIVE
PINE LANE
BUTTONS LANE
LAUREL HILL ROAD
FERN LANE
HILL LANE
GLANDON DRIVE
GIMGHOUL
COUNTRY CLUB ROAD
RALEIGH ROAD to N.C. 54 and Friday Center
US 501 to Pittsboro
to N.C. Botanical Garden
to I-40 and MLK Jr. Blvd.
N

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Anthropology and Archeology	11:30 a.m. Sun.	Gerrard Hall	G-4
Art	12:30 p.m. Sun.	Hanes Art Center, Auditorium 121	G-2
Asian Studies	11:00 a.m. Sun.	New West, Room 219	G-3
Biology	3:30 p.m. Sat.	Carmichael Arena	K-7
Chemistry	1:00 p.m. Sun.	Friday Center, Grumman Auditorium and Central Atrium	M-7
Classics	12:00 p.m. Sun.	Murphey Hall, Room 116	H-5
Communication Studies	2:00 p.m. Sun.	Dean E. Smith Center, Court	H-15
Computer Science	1:00 p.m. Sun.	Carroll Hall Auditorium 111	
Applied and Materials Science	12:30 p.m. Sun.	Murray Hall, Room G202	G-5
Clinical Laboratory Science/Allied Health Sciences	11:30 a.m. Sun.	Wilson Library Assembly Room	
Dramatic Art	1:00 p.m. Sun.	Paul Green Theatre	L-6
Economics	11:30 a.m. Sun.	Fed Ex Global Education Center	F-6
English and Comparative Literature	2:00 p.m. Sat.	Paul Green Theatre	L-6
Entrepreneurship Minor	12:00 p.m. Sat.	Campus Y, Anne Queen Lounge	H-4
Environment and Ecology/Institute for the Environment	1:00 p.m. Sun.	North Carolina Botanical Garden	L-16
Exercise and Sport Science	12:00 p.m. Sun.	Fetzer Gym A	J-7
Geography	11:00 a.m. Sun.	Saunders Hall, Room 220	H-4
Germanic and Slavic Languages and Literatures	11:45 a.m. Sun.	Dey Hall, Toy Lounge	H-5
Gillings School of Global Public Health	1:00 p.m. Sat.	Carmichael Arena	K-7
Global Studies	3:30 p.m. Sun.	Memorial Hall	H-4
History	12:00 p.m. Sun.	Hamilton Hall, Room 100	J-4
Institute for the Study of the Americas	1:00 p.m. Sat.	Fed Ex Global Education Center	F-6
Kenan-Flagler Business School – Undergraduate Program	3:30 p.m. Sat.	Dean E. Smith Center, Court	H-15
Master of Business Administration	5:30 p.m. Sun.	Dean E. Smith Center, Court	H-15
Linguistics	11:30 a.m. Sun.	Kenan Music Building, Rehearsal Hall	F-3
Mathematics	12:00 p.m. Sun.	Phillips Hall, Front Lawn	F-4
Music	2:00 p.m. Sun.	Hill Hall, Auditorium	G-2
Naval Science/NROTC	3:00 p.m. Sat.	Tate-Turner-Kuralt Building	D-6
Peace, War and Defense	11:00 a.m. Sun.	Carolina Union, Aquarium Lounge	J-6
Philosophy	11:00 a.m. Sun.	Howell Hall, Room 104	I-3
Physics and Astronomy	12:00 p.m. Sun.	Chapman Hall, Room 201	G-4
Political Science	12:30 p.m. Sun.	Memorial Hall	H-4
Psychology	12:30 p.m. Sun.	Carmichael Arena	K-7
Public Policy	2:00 p.m. Sat.	Friday Center, Trillium Dining Room	M-7
Religious Studies	11:30 a.m. Sun.	Saunders Hall	H-4
Romance Languages	11:00 a.m. Sun.	Carolina Union, Room 2518 A-B	J-6
School of Education	1:30 p.m. Sat.	Dean E. Smith Center, Court	H-15
School of Information and Library Science	1:00 p.m. Sun.	Carolina Union, Great Hall	J-6
School of Journalism and Mass Communication	3:00 p.m. Sun.	Carmichael Arena	K-7
School of Nursing	5:30 p.m. Sat.	Dean E. Smith Center, Court	H-15
School of Social Work	1:00 p.m. Sat.	Memorial Hall	H-4
Sociology	2:00 p.m. Sat.	Hamilton Hall, Room 100	J-4
Speech and Hearing Sciences/Allied Health Sciences	3:30 p.m. Sat.	Friday Center, Grumman Auditorium and Central Atrium	M-7
Statistics and Operations Research	12:15 p.m. Sun.	Hanes Hall, Room 120	H-4
UNC Eshelman School of Pharmacy	4:00 p.m. Sat.	Memorial Hall	H-4

CANDIDATES *for* DOCTORAL DEGREES

May 2013 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Serdar Aldatmaz, *Business Administration*, Private Equity in the Global Economy: Evidence on Industry Spillovers. Professor Gregory W. Brown.

Nezahat Ozlem Arat, *Biochemistry and Biophysics*, The Role of Shelterin Components on the Structural Dynamics of Telomeric DNA. Professor Jack D. Griffith.

Karyl Jacqueline Shand Askew, *Education*, Rural Adolescents' Participation in Extracurricular Activities and Nontraditional Gender-Typed Occupational Aspirations: A Study of Achievement Motivation. Professor Judith L. Meece.

Mary Layton Atkinson, *Political Science*, The Influence of Partisan Conflict on Policy Attitudes. Professor Frank R. Baumgartner.

Stephanie Lynnette Baker, *Health Behavior*, School Racial Climate and Racial Disparities in Youth Sedentary Behaviors. Professor Susan T. Ennett.

Ruth Ellen Baldasaro, *Psychology*, Person Level Analysis in Latent Growth Curve Models. Professor Daniel J. Bauer.

Rebecca Elise Balter, *Neurobiology*, Access to Running Wheels Attenuates Spontaneous Morphine Withdrawal in Mice as Measured by Thermal Sensitivity. Professor Linda A. Dykstra.

Kevin Christopher Bastian, *Public Policy*, Selecting and Preparing Teachers and School Leaders to Improve Educational Outcomes. Professor Gary T. Henry.

Dinara Bayazitova, *Business Administration*, The Effect of Dealing in Securities on Lending at Commercial Banks. Professor Anil Shivdasani.

Rachel Louise Bayless, *Mathematics*, Entropy of Transformations that Preserve an Infinite Measure. Professor Jane Hawkins.

Christopher A. Beadles, *Health Policy and Administration*, Effect of Policy and Practice Changes on Oral Anticoagulation Use in North Carolina. Professor Kristen Hassmiller Lich.

Anne Christine Beaubrun, *Pharmaceutical Sciences*, Intravenous Vitamin D Treatment in Hemodialysis Patients: Patterns of Use and Association with Fracture Risk. Professors Betsy L. Sleath and M. Alan Brookhart.

Sara K. Beeker, *Anthropology*, Labor and the Rise of the Tiwanaku State (AD 500–1100): A Bioarchaeological Study of Activity Patterns. Professor Dale L. Hutchinson.

Kelly L. Bezio, *English*, Communicable Disease in the American Literary Imagination. Professor Jane F. Thrailkill.

Aadra Bhatt, *Microbiology and Immunology*, Modulation of Host Cell Translation and Metabolism by Kaposi's Sarcoma-Associated Herpesvirus. Professor Blossom Damania.

Kayla Sue Bloome, *Chemistry*, Palladium-Catalyzed Reactions of Unactivated Alkyl Electrophiles. Professor Erik J. Alexanian.

Petro Borysov, *Statistics and Operations Research*, Statistical Methods in Chemoinformatics. Professors Jan Hannig and Steve Marron.

Dustin E. Boseh, *Pharmacology*, Elucidating G Protein Signaling and Ubiquitin Conjugation in Entamoeba Histolytica. Professor David P. Siderovski.

Sarah J. Boyee, *Biomedical Engineering*, Relative Merits of 3D Visualization for the Detection of Subtle Lung Nodules. Professor Ehsan Samei.

Gregory J. Boyer, *Health Policy and Management*, Medicaid Home- and Community-Based Long-Term Care Services in the Age of Olmstead. Professor Jonathan B. Oberlander.

Scott J. Brantley, *Pharmaceutical Sciences*, Translational Methods for Quantitative Prediction of Metabolic Herbal Product-Drug Interactions: Case Study with Milk Thistle. Professor Mary F. Paine.

Emily M. Brewer, *English*, A Lady Novelist and the Late 18th-Century Book Trade: Charlotte Smith's Letters to Publisher Thomas Cadell Sr., 1786–1794. Professor Jeanne Moskal.

Corliss C. Brown, *Education*, Complicating Blackness in Teacher Education: Race, Intersectionality and the Lives of Black Teachers. Professor Jocelyn Glazier.

Erin Bartels Buller, *English*, The Unlocked Room Problem: Evidence and Interpretation in Twentieth -Century Investigation Narratives. Professor Minrose Gwin.

Christopher Daryl Cameron, *Psychology*, Situating Moral Sentiments: How Strategic Emotion Construction Enables Compassion Avoidance. Professor Keith Payne.

Lauren N. Cameron, *English*, Renegotiating Science: British Women Novelists and Evolution Controversies, 1826–1876. Professor Beverly Taylor.

Cristine Gomes Campos, *Microbiology and Immunology*, The Role of Autotransporter Proteins in Burkholderia pseudomallei Pathogenesis. Professor Peggy A. Cotter.

Daniel Arthur Canos, *Epidemiology*, Choline/Betaine Habitual Intake and Incident Coronary Heart Disease. Professor Gerardo Heiss.

Jerome Carpenter, *Materials Science*, Clearing Things Up: A Vertical Mucus Clearance Assay to Investigate Rheological and Biochemical Parameters Governing Mucociliary Clearance. Professor Richard Superfine.

Patricia Casbas-Hernandez, *Pathology*, In Vitro Coculture Models to Study Heterotypic Interactions in Breast Cancer Microenvironments. Professor Melissa A. Troester.

Besir Ceka, *Political Science*, The Causes and Consequences of Political Trust and Satisfaction with Democracy in Eastern Europe. Professor Milada A. Vachudova.

Elizabeth Pempe Chappell, *Pharmaceutical Sciences*, Characterization of Heparan Sulfate-Protein Interactions for Synthetic Heparin Design. Professor Jian Liu.

Jiang Chen, *Statistics and Operations Research*, Some Topics in Large Deviations Theory for Stochastic Dynamical Systems. Professor Amarjit Budhiraja.

Wonil Choi, *Psychology*, Word Recognition during Reading. Professor Peter C. Gordon.

Katherine McLaurin Cleary, *Neurobiology*, Neurobiology of Sensory Deviance: Using EEG to Measure Visual and Auditory Mismatch Negativity in Children with Autism. Professor Aysenil Belger.

Sarah Clement, *Biochemistry and Biophysics*, Regulation of G Protein Signaling by G Protein Alpha Subunit Phosphorylation. Professor Henrik Dohlman.

Roxane Coche, *Journalism and Mass Communication*, The State of Women's Sports on the Web: Content Analyses of International Sports News Websites and Athletes' Twitter Profiles. Professor Charles A. Tuggle.

Nikki Alsop Cochrane, *Chemistry*, New Developments in Platinum-Catalyzed Cyclization and Fluorination of Polyenes. Professor Michel R. Gagne.

Kathryn Elizabeth Coggins, *Political Science*, The Liberal Paradox. Professor James A. Stimson.

Susan Lee Cohen, *Business Administration*, How to Accelerate Learning: Entrepreneurial Ventures Participating in Accelerator Programs. Professor Christopher B. Bingham.

Chaka-Monique Coleman, *Education*, Standards-Based Testing Outcomes in Instructional Consultation Team Classrooms: An Analysis of Student Growth in Reading. Professor Rune J. Simeonsson.

Tabitha S. Combs, *City and Regional Planning*, Relationships among Access to Bus Rapid Transit, Urban Form, and Household Transportation Outcomes: Evidence from a Quasi-Longitudinal Study in Bogotá, Colombia. Professor Daniel A. Rodriguez.

Patrick J. Connolly, *Philosophy*, Causation and Scientific Explanation in Locke. Professor Alan J. Nelson.

Danielle Cook, *Pharmaceutical Sciences*, Mechanisms of Ect2 Regulation in Cytokinesis and Oncogenesis. Professor Channing J. Der.

Matthew James Cooper, *Genetics and Molecular Biology*, Kinome Profiling of Drug-Resistant Leukemia to Guide Targeted Therapy. Professors Albert S. Baldwin and Lee M. Graves.

Chester Lee Costales, *Pharmaceutical Sciences*, Cation-Selective Apical Transporters Mediate an Intestinal Cycling Mechanism that Enhances Its Paracellular Oral Absorption in Mice. Professor Dhiren R. Thakker.

Sarah Elizabeth Council, *Oral Biology*, Prevotella Melaninogenica, an Oral Anaerobic Bacterium, Prevalent in Cystic Fibrosis Chronic Lung Infection. Professor Matthew Wolfgang.

Helen Crompton, *Education*, Coming to Understand Angle and Angle Measure: A Design-Based Research Curriculum Study Using Context-Aware Ubiquitous Learning. Professor Susan N. Friel.

Graham Culbertson, *English*, "Life Was Doing Something New": The Making of the American Metropolis, 1870–1920. Professors John McGowan and Jane F. Thrailkill.

Jenna Currier, *Toxicology*, Novel Biomarkers for the Risk Assessment of Exposure to Arsenic in Drinking Water. Professor Miroslav Styblo.

Kathleen Robin Curtin, *English*, Honey from the Lion: Interpretation and Religious Persecution in Early Modern English Autobiography. Professor Reid Barbour.

Cassandra Richards Davis, *Education*, Black Durham Residents' Fight to Regain Their Power through Rejecting the Trickery of the Blue Devil. Professor George W. Noblit.

Adamberage Ruklanthi De Alwis, *Microbiology and Immunology*, Dissecting the Human Antibody Response to Dengue Virus. Professor Aravinda M. Desilva.

Rishi J. Desai, *Pharmaceutical Sciences*, TNF-Alpha Inhibitor Treatment and the Risk of Cardiovascular Events in Patients With Newly Diagnosed Rheumatoid Arthritis. Professor Joel F. Farley.

Michael Charles Donatello, *Journalism and Mass Communication*, Assessing Audiences' Willingness to Pay and Price Response for News Online. Professors Donald Shaw and Penelope Muse Abernathy.

Casey Mark Dougal, *Business Administration*, Small Business Performance and Stock Return Predictability. Professor Christian Lundblad.

Nora Doyle, *History*, Bodies at Odds: The Maternal Body as Lived Experience and Cultural Expression in America, 1750–1850. Professor Jacquelyn D. Hall.

Jessica R. Dykstra, *Speech and Hearing Sciences*, Student Engagement in Self-Contained Classrooms Serving Students with Autism Spectrum Disorders. Professor Linda R. Watson.

David Andrew Eby, *Physics and Astronomy*, Binary Tetrahedral Flavor Symmetry. Professors Paul H. Frampton and Y. Jack Ng.

Jessie Edwards, *Epidemiology*, Methods to Account for Outcome Misclassification in Epidemiology. Professor Stephen R. Cole.

Jaclyn Willette Ellis, *Genetics and Molecular Biology*, The Multi-Ethnic Investigation of Gene and Gene- Environment Interactions for Biochemical Markers Associated with Cardiovascular Disease. Professor Leslie A. Lange.

Courtney Endres, *Biology*, Perception of Airborne Chemosensory Cues by Sea Turtles. Professor Kenneth J. Lohmann.

Duane Eugene Esarey, *Anthropology*, Another Kind of Beads: A Forgotten Industry of the American Colonial Period. Professor C. M. Scarry.

Flor De Maria Evangelista Montoya, *Microbiology and Immunology*, Pathogenicity and Epitope Specificity of IgG4 Autoantibodies in Endemic Pemphigus Foliaceus. Professor Zhi Liu.

Dana Marie Falkenberg, *Philosophy*, Practical Reason, Character and Morality. Professor Thomas E. Hill Jr.

Martilias Stephen Farrell, *Pharmacology*, Pharmacosynthetics and the Cell-Type-Specific Control of Neuronal Signaling. Professor Bryan L. Roth.

Jerome Federspiel, *Health Policy and Administration*, Observational Methods in Cardiovascular Outcomes Research. Professor Morris Weinberger.

Ryan Felix, *Chemistry*, Electrophilic Activation of Carbon-Carbon Bond Unsaturation by Au(I) and Pt(II): Experimental and Theoretical Considerations. Professor Michel R. Gagné.

Meghan Elizabeth Feltcher, *Microbiology and Immunology*, Identification of Targeting Factors and Substrates of the Mycobacterial SecA2 Protein Export System. Professor Miriam Braunstein.

Padraic Finnerty, *Physics and Astronomy*, A Direct Dark Matter Search with the MAJORANA Low-Background Broad Energy Germanium Detector. Professor Reyco Henning.

Kris Iniko Ford, *Biomedical Engineering*, Applied Magnetic Forces Enhance Nanoparticle-Based Gene Delivery and Characterize Intracellular Rheology and Transport. Professor Richard Superfine.

Theresa Marie Forshey, *Biomedical Engineering*, Neural Basis of the Neurological Diagnostic Power of Vibrotactile Sensory Testing. Professor Mark A. Tommerdahl.

Alice Fortune-Greeley, *Health Policy and Management*, Comparative Effectiveness and Cost of Preoperative Breast MRI in Elderly Breast Cancer Patients. Professor William R. Carpenter.

Allison L. Fox, *Art History*, Burial and Resurrection: The Sculpted Sarcophagi of Ravenna and Visions of Perpetuity in an Age of Flux. Professor Dorothy H. Verkerk.

Joseph Chad Franklin, *Psychology*, The Nature, Development, and Reversal of Positive Attitudes toward Nonsuicidal Self-Injury: Implications for Prediction and Treatment. Professor Mitchell J. Prinstein.

Meghan Elizabeth Free, *Pathology*, Role of Circulating T Cells in Autoimmune Kidney Disease: Implications for ANCA Disease and Minimal Change Disease. Professor Ronald J. Falk.

Heather Ann Fritz, *Occupational Science*, Integrating Diabetes Self-Management into Daily Life: Exploring Process, Habit and Occupation. Professor Brian Boyd.

Kirkland Alexander Fulk, *Germanic Languages*, Literature as Utopia: Spaces of Alterity in West German Postcolonial and Science-Fiction Literature after '68. Professor Richard Langston.

LeShara Malika Fulton, *Microbiology and Immunology*, Immune Mechanisms Important for the Pathogenesis of Acute Graft-versus-Host Disease. Professor Jonathan S. Serody.

Joanna Furno, *Mathematics*, Ergodic Theory of P-Adic Transformations. Professor Jane Hawkins.

S. Michael Gaddis, *Sociology*, A Matter of Degrees: Educational Credentials and Race and Gender Discrimination in the Labor Market. Professor Karolyn Tyson.

Erin Elaine Galligan, *Classics*, Early Helladic Decorated Ceramic Hearths. Professor Donald C. Haggis.

Kimberly Lynn Heard Geissler, *Health Policy and Management*, The Effect of Crime in Mexico on Healthcare Access and Utilization in the United States–Mexico Border Region. Professor George M. Holmes.

Edward Moore Geist, *History*, Two Worlds of Civil Defense: State, Society, and Nuclear Survival in the USA and USSR, 1945–1991. Professor Donald J. Raleigh.

Ryan Gessner, *Biomedical Engineering*, Acoustic Angiography: A New Imaging Platform for High Resolution Mapping of Microvasculature and Tumor Assessment. Professor Paul A. Dayton.

Eugene Gibbs-Flournoy, *Toxicology*, Examination of the Adverse Effects of Gaseous and Particulate Oxidant Air Pollutants in Human Airway Epithelial Cells. Professor James M. Samet.

Rebecca Glover, *Mathematics*, Generalized Twistor Spaces for Hyperkahler and Quaternionic Kahler Manifolds. Professor Justin Sawon.

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Naomi Graber, *Musicology*, Found in Translation: Kurt Weill on Broadway and in Hollywood, 1935–1939. Professor Tim Carter.

James Green, *Cell and Molecular Physiology*, Organization and Function of Molecular Domains in Myelinated Neurons. Professor Manzoor A. Bhat.

Adrian Lee Greene, *English*, The War against Weariness: Imaginative Energies in Southern American Novels (1864–1918). Professor Philip Gura.

Bronwyn Mei Gunn, *Microbiology and Immunology*, Identification of Host and Viral Factors of Arthritic Alphavirus Pathogenesis: The Role of Mannose Binding Lectin and the Viral N-Linked Glycans. Professor Mark Heise.

Evan August Gurney, *English*, Discontented Charity: Theology, Community and Hermeneutics, More to Milton. Professor Reid Barbour.

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Jin Hong Ha, *Journalism and Mass Communication*, The Role of Relationships in Crisis Communication: The Impact of Agency-Client Relationships and Perception of Crisis Strategies on Crisis-Related Task Conflict, Performance and Satisfaction. Professor Lois Boynton.

Christine Hajdin, *Chemistry*, Insights into RNA Structure by Melding Experiment and Computation. Professor Kevin Weeks.

Kwangtaek Han, *English*, Spectral Substances of Democracy: Agency, Affect and Power in American Romance. Professor Eliza Richards.

Tianxiang Han, *Pharmaceutical Sciences*, Interplay between Metformin and Serotonin Transport in the Gastrointestinal Tract: A Novel Mechanism for the Intestinal Absorption and Adverse Effects of Metformin. Professor Dhiren R. Thakker.

Jonathan Todd Hancock, *History*, A World Convulsed: Earthquakes, Authority and the Making of Nations in the War of 1812 Era. Professor Kathleen DuVal.

Sean Thomas Hanlon, *Education*, The Relationship between Deliberate Practice and Reading Ability. Professor Jeffrey A. Greene.

Sara Hanna, *Genetics and Molecular Biology*, HIF1a and HIF2a Independently Activate SRC to Promote Melanoma Invasion and Metastasis. Professor William Y. Kim.

Dana J. Hanson-Baldauf, *Information and Library Science*, Exploring the Everyday Life Information Needs, Practices, and Challenges of Emerging Adults with Intellectual Disabilities. Professor Sandra Hughes-Hassell.

Matthew Christopher Harris, *Economics*, What is the Full Cost of Body Mass in the Workplace? Professor Donna B. Gilleskie.

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Whitney Ellen Heavner, *Genetics and Molecular Biology*, Using the Mouse Retina to Model the Role of SOX2 in Neural Induction. Professor Larysa H. Pevny.

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Katie M. O'Brien, *Epidemiology*, Race and Subtype Differences in the Replication of Previously Identified Breast Cancer Susceptibility Loci: A Bayesian Approach. Professors Robert C. Millikan and Stephen R. Cole.

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Sarah Rhea, *Epidemiology*, Animal Bite Injuries in North Carolina: Emergency Department Visits and Risk Factors for Hospitalization. Professor David J. Weber.

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Thorfinn T. Riday, *Neurobiology*, Cortical Experience-Dependent Plasticity and Mesostriatal Dopaminergic Dysfunction in a Mouse Model of Angelman Syndrome. Professor Benjam D. Philpot.

Samantha Michele Riley, *Comparative Literature*, Absurdist-Ethics and Radical Agency in AIDS Cinema: Erotic Genealogies, Absurd Laughter and Grotesque Aesthetics. Professor Juan Carlos González Espitia.

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Amber Michelle Ross, *Philosophy*, Inconceivable Minds. Professor William G. Lycan.

Daniel Rotroff, *Environmental Sciences and Engineering*, Endocrine Disrupting Potential of Environmental Chemicals Characterized by High-Throughput Screening. Professor Ivan Rusyn.

Michael James Rulon, *Comparative Literature*, Intimate Selving and Healing in Women's Writing of Postcolonial Warfare. Professor Martine C. Antle.

Antoinette Sabatino, *Psychology*, An Investigation of Attention to Social and Nonsocial Stimuli in Autism Spectrum Disorder and Typical Development. Professor Steve Reznick.

Lorenzo M. Salvagni, *Romance Languages and Literatures*, In the Garden of Letters: Marguerite Caetani and the International Literary Review "Botteghe Oscure." Professor Federico Luisetti.

Benjamin Guy Sammons, *English*, Reforming Readers: Agency and Activism in the Long Progressive Era. Professor Linda Wagner-Martin.

Esther Sanchez-Couto, *Romance Languages and Literatures*, Representaciones del Silencio en la Narrativa Femenina de España y México (1990–2012). Professor Oswaldo Estrada.

Christopher Edward Schmitt, *Genetics and Molecular Biology*, Identification of Novel Transcription Factors Regulating Recovery of the Endothelial Lineage in Avascular Mutants. Professor Suk-Won Jin.

Elizabeth Anne Schreiber-Byers, *Germanic Languages*, Power Play: Beyond the Erotics of Masochism in 19th-Century German Literature and Philosophy. Professor Jonathan M. Hess.

Sarah Seiter, *Biology*, Rapid Life History Evolution in Invasive Butterflies. Professor Joel G. Kingsolver.

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Katherine Irene Shrieves, *English*, Animate Texts: Hieroglyphic Reading Practices in Early Modern England, 1564–1658. Professor Mary Floyd-Wilson.

Joseph John Pyne Simons, *Psychology*, Avoidance of Divisive Topics. Professor Melanie C. Green.

Genee S. Smith, *Epidemiology*, Air Pollution and Pulmonary Tuberculosis Disease in California. Professor Marilie D. Gammon.

Samantha Jean Snow, *Toxicology*, Ultrafine Particles Alter Endothelial Phenotype through Oxidant Signaling. Professors Martha S. Carraway and David Diaz-Sanchez.

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Richard Clay Stuart, *Anthropology*, Thinking Like a Lawyer, Thinking Like a Legal System. Professors Carole L. Crumley and Robert E. Daniels.
Jasmine Talameh, *Pharmaceutical Sciences*, Genetic and Pharmacogenetic Associations With Heart Failure Patient Survival. Professor Herb Patterson.
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William O. Taylor, *Comparative Literature*, Birth of an Artistic Socrates: The Motivations and Form of Nietzsche's Classicism 1869–1872. Professor Eric Downing.
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Patrick Tobin, *History*, Crossroads at Ulm: Postwar West Germany and the 1958 Ulm Einsatzkommando Trial. Professor Christopher Browning.
Yu-Cheng Tseng, *Pharmaceutical Sciences*, LCP Nanoparticle for Tumor and Lymph Node Metastasis Imaging. Professor Leaf Huang.
Joseph Wallace, *English*, Pagan Fictions: Literature and False Religion in England, 1550–1650. Professors Reid Barbour and Jessica Wolfe.
Jeremy Wang, *Computer Science*, Analysis and Visualization of Phylogenetic Structure within Species. Professor Leonard McMillan.
Matthew W. Wheeler, *Biostatistics*, Bayesian Nonparametric Differential Equation Models for Functions. Professors Amy H. Herring and David B. Dunson.
Jessica Fitts Willoughby, *Journalism and Mass Communication*, BrdsNBz: A Mixed Methods Study Exploring Adolescents' Use of a Sexual Health Text Message Service. Professor Jane D. Brown.
Derek Wolfe, *Chemistry*, High-Pressure Cylindrical Ion Trap Mass Spectrometry. Professor J. M. Ramsey.
Christina Soyeun Won, *Pharmaceutical Sciences*, Integrated Approaches to Identify and Predict Pharmacokinetic-Based Dietary Substance-Drug Interactions. Professor Mary F. Paine.
Melissa Jo Woolls, *Genetics and Molecular Biology*, Hemogenic Endothelium within the Zebrafish Caudal Hematopoietic Tissue Illustrates the Common Ties of the Vascular and Hematopoietic Systems. Professor Suk-Won Jin.
Congying Wu, *Cell and Developmental Biology*, Studying the Role of Arp2/3 Complex in Cell Migration. Professor James E. Bear.
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Pingjie Xiao, *Cell and Developmental Biology*, Pharmacological and Biophysical Dissections of the Trafficking and Infection of Adeno-Associated Virus (AAV) In Vitro and In Vivo. Professor Richard J. Samulski.
Elizabeth Lee Yanik, *Epidemiology*, Cancer Following Combination Antiretroviral Therapy Initiation: Incidence Patterns and Effects of Antiretroviral Response. Professor Sonia Napravnik.
Amica Simmons Yon, *Pharmaceutical Sciences*, The Influence of Spirituality on Medication Adherence and Blood Pressure among Older Adults With Hypertension. Professor Mary T. Roth McClurg.
Elissa Zellinger, *English*, Lyrical Strains: 1820–1920. Professor Eliza Richards.
Yuan Zhang, *Pharmaceutical Sciences*, Systemic Delivery of Phosphorylated Nucleoside Analogues and siRNA via LCP Nanoparticles for Cancer Therapy. Professor Leaf Huang.
Leah L. Zullig, *Health Policy and Management*, Equity in an Equal Access System? Quality and Timeliness of Cancer Care in the Veterans Affairs Healthcare System. Professor William R. Carpenter.

DOCTOR OF PUBLIC HEALTH

Jeanne Alongi, *Health Policy and Management*, A Case Study Examination of Structure and Function in a State Health Department Chronic Disease Unit. Professor Rebecca Wells.
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Lisa Marlene Koonin, *Health Policy and Management*, Acceptability of Pharmacies Serving as Primary Dispensers of Antiviral Drugs during an Influenza Pandemic: Perspectives of Pharmacy Executives. Professor Sandra B. Greene.
Jennifer Olsen, *Public Health Leadership*, Infodemiology to Improve Public Health Situational Awareness: An Investigation of 2010 Pertussis Outbreaks in California, Michigan and Ohio. Professor Thomas C. Ricketts.
James Powers, *Biostatistics*, Population-Averaged Models for Diagnostic Accuracy Studies and Meta-Analysis. Professors John S. Preisser and Haitao Chu.
Reginald Silver, *Health Policy and Management*, Diversity in Executive Healthcare Leadership: Does It Matter? Perspectives and Implications for Access to Care by People of Color. Professor Ned Brooks.
Paul Warren Throne, *Health Policy and Management*, Under-Reporting of Surgical Errors: State Perceptions and Responses. Professor Sandra B. Greene.
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Bryan P. King
Ashley Danien Klein
Zachary A. Kohn
Marc D. Kornegay
Aleksandra E. Kozlowska
Desiree Roxanne LaFountain
Rachel Virginia Langlois
Christopher Adam Lanier
Syed Yasir Latifi
Jung-Hee Lee
Celine A. Lefebvre
Katherine Ratliff Leib
Elizabeth Paige Ligon

Patrick Lineberry
Brian J. Litwak
Lewis Matthew Tramel Lohr
Marc Macenko
Michael P. Maloney
Ian Andrew Mance
Jonathan W. Massell
David S. Maya
Blair Robert McGraw
Dixon McCommon McKay
Elizabeth Foye McLean
Carrie Virginia McMillan
Tabitha Lee Messick
William B. Miles
Sarah Danielle B. Millan
Nick John Miller
Jacob Alex Montague
Martin Ekim Moore
Varen R. Moore
Jeffrey R. Moreland
Hanna S. Mori
Whitney Chioma Nebolisa
Joseph Carter Nienaber
Matthew Eric Nigriny
Eric Reed Noble
Lee E. Norelli
Robert B. Norris
Nicole M. Olvera
Ilona Ori
Diana M. Osorio
Zachary A. Padget
Panagiotis A. Papadopoulos
Adam Chase Parker
Nikul D. Patel
Arijit Paul
Ashley Decelle Payne
Agata Anna Pelka
Lynn M. Perry
Catherine A. Phillips
Brittany K. Pinkham
Margaret J. Pishko
Virginia Scales Pleasants
Matthew Scott Poindexter
Joyce Laurene Pope
Joseph Philip Putnam-Evans
Aaron K. Reinhardt
Katelyn M. Revens
Natalya L. Rice
Caroline Marie Richardson
Robert M. Rivera
David Willliam Roadcap
Wilbur Harold Robinson III
Andrew Leigh Rodenbough
Juan Carlos Rojas
Melody Brooke Rowell
Andrew D. Salek-Raham
Niquita A. Sanders
Michael Pierce Sandwith
Rachel Elizabeth Sasser
Claudio M. Sayan Lazarte
Nathan Thomas Schaal-Wilson
Kevin Gerald Schroeder
Jessica Lillian Scism
William Mackay Scott
Peter B. Sekulic
Megha Shah
Ruth Ann Sheehan
Carl Meredith Short III
Daniel Kohle Siegel
Jonathan Tyler Sink
Katherine Alice Slager
Laura Nicole Sloan
Holly C. Smith
Anatoliy V. Solodyankin
Fallon Justine Speaker
Jeremy S. Spears
Meghan Rebekah Spears
Anna Kathryn Spence
Frank Clark Spencer Jr.
Asher P. Spiller
Telfair Elizabeth Stakias
William T. Stanley
Dharmi Bhupendra Tailor
Lauren Elizabeth Tapson
Jessica Beauvais Thaller
Jeriel A. Thomas
Nicolas E. Tosco
Jeffrey L. Trousdale
Elizabeth Turgeon
Casey Lee Turner
Courtney Lauren Valentine
Kathryn Hagler Van Wie
Gabriell A. Vires
Jennifer K. Vuona
Margaret Louise Walters
Vinston Devon Walton
Ernest L. Washington
Benjamin Matthew Weadon
Maren Tallent Werts
Kira M. Whitacre
Rebecca M. Williams
Judson Nye Williamson
Brianne L. Wingate
Rebecca Y. Yang

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE

Obafunto Opeyemi Abimbola
Fidel Alexis Acevedo Echevarria
Rachel Danielle Adams
Amir Aghajanian
Benjamin Abernathy Aiken
Ian Matthew Allen
Michael Kelly Altenburg
Omar Mahmud Awan
James Russell Bateman III
Aileen Jenna Beckham
Alexander Arkin Berger
Rachel C. Blasiak
Hala Talal Borno
Julia Aogaichi Brant
Thomas J. Brinkley
Jenna Marie Brooks
Kelly Amanda Bruno
Corrie Antoinette Burke
Tristan Nicole Byrd
Tiffany Michelle Cagle
Sara Louise Campbell
Mary O. Campion
Kathryn Marie Cappell
Lisa Martin Carroll

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

James Middleton Chang
Jennifer Genice Christie
Taren Jarmcé Burnette Coley
Julie Ann DeCoster
Jamie Alice Desmarais
Vishal Harkisan Dhandha
Neeti Doshi
Kenton Lane Dover
Adam Nicholas Drechsler
Timothy Joseph Ducey
Anne Hardy Dunbar
Alison Lee Edge
Claire Hozier Edgerly
Heather Cameron Eisenson
Sylvia Agnes Jacobs Exum
Lila Farrag
Robin Alexandra Felker
Natalie Anne Ferrero
Jennifer Bianca Foster
Mark Benjamin Foster
Olivia Gage Gamboa
Joshua L. Gant
Charissa Lateesha Geyer
Meredith Ashley Gilliam

Sarah Alyssa Goldstein
Courtney LaDonna Grant
Amit Gupta
Bryce Elizabeth Winfield Haac
William Blake Hannah
Christopher Foster Hanzaker
Erin Bathurst Helms
Austin Grayce Hester
Rachel Elizabeth Hines
Elizabeth R. Hoffman
Mariah Craige Hoffman
Jessica Louise Hubbs
Andrew M. Iannuzzi
Jacob Keith Johnson
Tyler B. Jones
Solianny Kennerly
William W. Kesler
Carmen T. Khorram
Lauren Elizabeth Kilgore
Joshua Bradford Knight
Adam Julian Kole
Cameron Lambert
Bilal Danish Lateef
Anthony B. Law
Elise Jennifer Leger
Katherine H. Liljedahl
Rachel Morgan Little
William Austin Martin
Shannon Marie Matthews
Brittany Johnson McIntyre
Whitney Webster McLeod
Matthew Bures McNeill
Richard Dane Meredith
Karen Lynn Meyerhoff
Candace Anderson Mitchell
Dinushika Mohottige
Andrew Martin Moon
Nicole B. Moore
Chailee Faythe Moss
Courtney Lynn Tighe Moynihan
Clodagh Mullen
Rebekah Potts Nash
Christopher Andrew Nassef
Kimberly Niles Newton
Rachel Elizabeth Northeim
Scott Trye Owens
Charles Frederick Pagels III
Mehul C. Patel
William Blake Pemberton
Olivia Seehusen Perlmutt
Quang Huy Pham
Lindsey Elexa Phillips
Sarah Nicholls Pierrie
John Maxwell Pike
William Edward Poe III
Patrick A. Proctor
Emily Miller Ray
William Anthony Rearick
Jonathan Kellen Reid
Andrea Rose Richardson
Laura Elizabeth Robinson
Sarah Claire Rogan
Douglas Andrew Romney
Lisa Rose Rothlein-Naron
Trevor Joseph Royce
Lauren Elizabeth Rust
Matthew D. Skancke
Alan Matthew Smeltz
Jennifer Elizabeth Smith
Eric Graham Sonnenberg
Amy Alexander Sparks
Stuart-Allison Moffat Staley
William Allen Stokes
Martha Elizabeth Studstill
Paul Michael Swaney
Claire Lillian Teigland
Maria Theresa Thekkekandam
Lauren Michelle Townes
Nicholas A. True
Kathleen Sarah Turek
Shane M. Tussey
Margaret Alice Twomey
Cecily Kennedy Vanderspurt
Andrew Blake Wallace
Jessica Susan Waters
Cameron Lee Watkins
Adriel Marcusen Watts
Lisa Marie Webb
Ramsey Michael Wehbe
Christopher Michael Welch
Matthew H. Wetschler
Karina Zaveri Whelan
Brittany D. White
Daniel James White
Jennifer Faye Williamson
Daniel Alan Willner
Justin Michael Woodlief
Megan Renee Wright
Daniel Jacob Wurzelmann
Cameron Hewlett Wynn
Jiayin Xue
Carolyn Melinda Ziemer

The Eshelman School of Pharmacy

ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY

Eric Osei Addo
Alia Christine Amini
Elizabeth Grace Andersen
Morgan Stroud Archie
Emily Jane Ashjian++
Maria Bagdasarian
Cassandra Renee Baker
Ellika Anne Bengtson
Michael Ryan Bogart
Ruth Elizabeth Boyack
Courtney Louise Bradley
Jonathon J. Bristol
Ethan Charles Brooks
Patrick Martin Brown
Keiko Stout Bury
Autumn D. Carroll
Jessie Zepeda Casberg
Wenyang Chen
Anthony Chhay
Ashley E. Chiasson
Rebecca Hilary Childress
Yee-Ling Elaine Chim
Jake K. Chung
Abbey Marie Church
Brenna Allyson Clark
Kathryn Randolph Cluderay
Melissa Lynn Cotterman
Stephanie Jeanne Cox
David Cretella
Shilpa Subodh Dave
Lee Evelyn Davis
James Travin Deese
Ankit Sanjaybhai Desai
Madison Taylor Dixon
Mei Qin Dong
Chassy Jo Dreger
Patricia Marie Dryden
Shannon Jackson DuBois
Tiffany McIntosh Dunnon
Leah B. Edenfield++
Kristy Lynn Ellenberger
Robyn Ann Fender
Charles Samuel Forrester
Savannah Kaye Frady
Caitlin Mae Frese
Nicholas William Fritz
Charles Douglas Frye
Jennifer D. Funkhouser
Nastaran Gharkholonarehe
Hugh Giovinazzo+
Argelia Veronica Goodner
Ashley Lynn Gorrell
Peter Pappas Graham
Lindsey Victoria Green
Howard F. Greenwood
Anne M. Groves
Jonathan Craig Hale
Ashley Renee Hedges++
William David Holland
Jia Huang
Emily Marie Johnson
Kiera Johnson
Megan Lee Johnson
Taylor Craig Jones
Jessie Sonna Jung
Karen Anne Keating++
Angela Sejin Kim++
Elizabeth Claire LaScala
Bethany Dawn Lazear
Lauren Elizabeth Ledbetter
Janet Yeonhee Lim
Chun-Ying Kinny Lin
Shu Yu Lin
Andrea Yuen Logan++
Jessica Molly Mack
Jennifer Elizabeth Manchester
Stephen-Alan Thomas Mangum
Sharon Elizabeth Martin
Todd Michael McKeon
Brianna Michelle McQuade
Andrews Otu Mensah
Bonnie Fallon Merrell
Caitlin Michelle Moorman
Kimberly N. Muehlbauer
Ashley Elizabeth Murphy
Sarah Elizabeth Neeler
Tuongvy Ly Ngo
Joanne Eunha Noh
Trista Leigh Pachan
Christina Marie Paniccia
Kara Parsons
Andrew Donovan Pate
Von Katherine Perez Felder
Amanda Kaye Peters
Jennifer Petschauer
Brandon S. Phillips
Laura Beth Poveromo
Leah Ann Proctor
Stephanie Quick
Laura Elizabeth Ramsdell
Wyt Michael Ratanacharoensiri
Nicholas Logan Reid
Kyle Robb
Caley Ann Gillis Roberts+
Justin Lewis Roberts
Amber Jones Sablon
Katherine Lynn Sandison
Michelle Janan Sarwar
Alina Robyn Sayner
Ryan Flemming Schell++
John Taylor Schimmelfing
Sally Claire Schreiber
Jamielynn Caroline Sebaaly
Puja Shah
Christopher Patton Shelton
Ehren Jackson Shelton
Mollie Sheron
Christina Helms Sherrill
Daniel E. Shields
Erin Elizabeth Skitt
Courtney Ann Slough+
Katherine Marie Smith
Megan Grimsley Smith
Meghan Alexis Smith
Rachel D. Smith
David Robert Steeb
Lauren Ferrand Strawser
Maciej Kazimierz Szymczyk
Courtney Fern Tate
Christine Tawfik
George William Taylor
Leigh Ann Taylor+
Caroline Tee Ee Mei
Emily Grace Tennant
Donald Allen Thompson III
Sara Boskovic Thompson++
Scott Eugene Thompson
Morgan Ashley Trammel
Maya Chen Wai++
Hal Daniel Walrod
Shannon Elizabeth Wetzel
Amber Breanne Williams
Dana Marie Williams
Chan Myae Win
Gina Marie Winchester
Lucas Wind
Paul J. Wong
Amanda Michelle Woods
Christopher J. Woodward
Lauren Hollenbach Zachary++
Laura Lynn Zane

\+ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Honors*

++ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors*

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

May 2013

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Elizabeth Sarah Berger

Art History
Rachel Ann Aubuchon
Ashley Loraine Bruckbauer
Eva Klempner Sclippa
Alexandra Marie Wellington

Classics
Cicek Beeby
John Benjamin Beeby
Alexandra L. Daly
Tedd Alexander Wimperis

Comparative Literature
Marta Nunez
Nathaniel Ryan Young

Communication Studies
Meredith Lasche Clements
Elaine Cameron Hartofelis
Daniella A. Onofrio

Education
Kozue Araki
Jessica Catherine Jean Butcher
Shelby Eden Dawkins-Law
Ping Guo
Kubra Karakaya
Young Ran Kim
Abram Justin Kline
Rachel Marie Rafferty
Esmeralda Rodriguez
Nathan Trappe
Zhongwan Wang

English
Jerrod Nathan Rosenbaum

Exercise and Sport Science
Daniel Lindorff Adelman
Abigail Joy Doran
Sarah Nicole Fultz
Jacqueline Anne Harpham
Gregory Lewinter
Matthew Edward Mills
Mary Robeson Plunkett
Logan Roberts
Jamie Lynn Simerly
Brandon P. Yeargan

Folklore
Elijah Jordan Gaddis
Kirandeep Singh Sirah

Geography
Adam Charles Bledsoe
Matthew Paul Dannenberg
Ana Catalina Garcia de Alba Diaz
Timothy P. Morrissey
Pavithra Vasudevan

History
Nicold Therese Bauer
Samuel Roger Finesurry
Peter Norbert Gengler
Ann Elizabeth Halbert-Brooks
Jeffrey Ryan Harris
Joel Hebert
Mark William Hornburg
Daniele Lauro
Alexandra Mary Locking
Anndal Grace Narayanan
Louis Howard Porter
John Rockland Rhodes Jr.
Marvin McCray Richardson
Mishio Yamanaka

Mass Communication
Amanda Leigh Adams
Cynthia Jean Austin
Jonathan Scott Brennen
Sarah Elizabeth Davidson-Palmer
Jeanne-Marie Destefano
Kathryn James Faulkner
Calin Rathbun Gunn
Scott Alan McBride
Patrick Mustain
Carol Louise Perry
John Russell Remensperger

Musicology
Gina Bombola
Christopher Phillip Bowen
William L. Robin

Philosophy
Lindsay Marissa Brainard
James Nelson Brantner
Krasimira Dimitrova Filcheva
Jordan Louise MacKenzie
Samuel Reis-Dennis

Political Science
Claire Purcell Cassedy
Kingsley Coates-Chaney
Randall Charles Denison
Andrea Lynne Drabot
Zachary Tisdale Dunnam
Ahmed Ismail Elmahdi
Jennifer Lynn Gardella
Cole Harvey
Gabrielle Annette Horta
Melina Denise Juarez
Megan Elise Leahy
Joshua Malcolm McCrain
Rahim Shiraz Mohamed
Zhengqi Pan
Clarence Hakeem Smith
Nathan Douglas Tarte
Christopher Allmon Thompson
Caitlin Alexandra Thompson Holmgren
Megan Elizabeth Warshawsky
Tobin Chandler Williamson

Psychology
Sierra Allegra Bainter
Catherine B. Ford
Michelle Lee Gallagher
Michelle Alejandra Gonzalez
Elise Camille Rosa
Vanessa Victoria Volpe

Religious Studies
Andrew Ali Aghapour
Samuel Joseph Kessler

Romance Languages and Literatures
Anne Shirley Abell
Gloria Amerson
Anna Bernard-Hoverstad
Maury Katherine Young Bruhn
Laura Katherine Hancox
Katherine Elizabeth Karcher
Emily Rose Loch
Suja Reyad Sawafta

Russian and East European Studies
Terence William Bacon
Jennifer Lyn Buxton
Kathleen Marie Conti
Florin Valentin Stefan
Abbi Noel Molzahn
Christina Devin Williams

Slavic Languages and Literatures
Jessica Lynn Ginocchio
William Justin Morgan
Yauheniya A. Spallino Mironava

Sociology
Bo Hyeong Lee
Autumn Deer McClellan
Sarah Margaret Morris
Lucas Matthew Thomas Sherry

MASTER OF CITY AND REGIONAL PLANNING

Meghan Elizabeth Aminto
Allison Nichole Bullock
Connie E. Chan
Yan Chen
Veronica Eliana Conti
Taylor Leigh Dennerlein
Thomas Dworetsky
Katherine Painter Dydak
Geoffrey Freund Green
Jeeeun Ha
Heather Ann Hunt
Tania Valentinova Jordanova
Monisha Khurana
Sarah Kirk
Kristen Holly Langford
Joshua Lee McCarty
Alexander McSpadden
Alexandria Janae Murnan
Daisuke Nagase
Patrick Andrew Nerz
Marcia Machado Perritt
Lesley Jeanne Pories
Aspen Prendergast Price
Jason Trent Queen
Ashley Robertson
Eryn Rosenblum
Anna Schaefer
Carly Sieff
Jennifer Fran Slesinger
Jennifer Tausig
Stacy Renee Wasinger
Daniel Consorte Widis
Ashley Williams

MASTER OF FINE ARTS

Danielle Dina Batteast
Andrea Nicole Bauguss
Brett Thomas Bolton
Adrienne Marie Corral
Kelsey Ahlene Didion
John Michael Dreher

Thomas Wiggins Ellis
Matthew Garner
Julia Holubec Gootzeit
Alison Page Halperin
Michael Adam Iauch
George Conde Jenne
Katherine Scarlett Paxton
Lauren Lopez Salazar
Damian H. Stamer
William Paul Thomas
Joshua David Tobin

MASTER OF SCIENCE

Biochemistry and Biophysics
Kenneth Lee Nesbitt

Biomedical Engineering
Steven Glenn Feingold
Conrad John Geibel
Jordan Walter Hutchinson
Caitlin Elizabeth Mahon
Roger Chai Yu

Biostatistics
Erica N. Browne
Yu Deng
Katelyn Ruth Garcia
Megan Elizabeth Kincade
Danielle Lynn Lamy
Christel N. Rushing
Jessie Jiarong Wang
Xin Zhou

Cell and Molecular Physiology
Richard J. von Furstenberg

Chemistry
Joshua Todd Ferring
Heather Joy Mooney

Computer Science
Syed Mubarak Hassan Ahmed
Oluwafemi Sharon Alabi
Shrey Banga
Christopher Burgess Bowen
Hal Winchester Canary
Bipasa Chattopadhyay
Wei Cheng
Aram Han
Victor Heorhiadi
Jonathan L. Herman
William Dale Hipschman
Hongtao Huang
Shunping Huang
Robert David Idol
Ravikiran Janardhana
Christopher Joseph Kenna
Pavel Krajcevski
Neal Daniel Kumar
Michael K. Muraya
Benjamin David Newton
Robert Edward Overman
Siddarth R. Padmanabhan
Darshana Pathak
Anant Pradhan
Zhimin Ren
Roberto Rodriguez
Sean Sanders
Blaine Michaels Stancill
Chin-Hao Sun
Meng Tan
Luis Guillermo Torres
Logan Christian Wilkerson
Hengchin Yeh

Dental Hygiene Education
Kenneth Brandon Johnson
Megan Colleen Mosley
Antiana DeShawn Perry

Ecology
Katie Becraft

Economics
David Tyler Frazier
Roberto M. Gonzalez
Sofoklis Goulas
Elizabeth Anne Meyer
Diana Proskuriakova
Guansong Wang

Endodontics
Thomas Allen Brown
Linda T. Chan
Maria Cristina Maresca

Environmental Sciences and Engineering
Colin MacKay Cameron
Wendy Jane Marth

Geological Sciences
Courtney Leeann Beck
Ryan Edward Frazer
Roger Lowell Putnam III
Cristine Lynn Winchester

Marine Sciences
Sungduk Yu

Mathematics
Kathleen Mary Carroll
Matthew Scott Harris
Thomas Michael Nelson
Katherine Susan Roddy

Nutrition
Fuli He

Occupational Therapy
Rebecca Marie Dunn

Operative Dentistry
Fernando Astorga
Hiroko Nagaoka

Orthodontics
Neker Esteban Bernuy
Tate H. Jackson
Neil Clayton Kessel
Megan Leraye LeCornu
Stephanie Golubic Rhoads
David Glenn Walker

Pediatric Dentistry
Jordan L. Olsen
Chien Joo Sim

Periodontology
Abdel-Ghany Al-Saidi
Michael P. Stella

Pharmaceutical Sciences
Adrienne Paige Giddens
Joseph Herman Krushinski III
Matthew Holden Lamm
David Gavin Magaha
Ryan Michael Moore
Jeffrey Scott Reichard
Adam Wolfe

Physics
Brandon Louis Bartell
Kellie Nichole Beicker
Kathleen Donnally Eckert
Thomas Osburn
Grayson Currie Rich

Prosthodontics
Emily Rae Batson
Bryan Paul Jacobs
Praephun Limpiphipatanakorn

Rehabilitation Counseling and Psychology
Lauren Bangert
Erica Lee Briola
Savannah Marie Carson
Taylor Alexandra Cummings
Paul Elliott DeMello
Mary Hannah Ellis
Mary Louise Herndon
Kellie Nichole Kessler
Kelsey Elizabeth Klatka
Amanda Faye Krise
Ashley Megan Morton
Liana E. Regan
Rosellen Reif
Heather Riley
Graciela Aires Rust
Melissa Martell Senior
Tanya Thawley
Arianna Llyse Timko
Katherine Lynn Tompkins
Tamira Jo White

Speech and Hearing Sciences
Caroline Marie Clark
Kevin Terence Cunningham

MUSIC

Graduates, families and friends attending Commencement weekend will have several opportunities to hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During Saturday's Doctoral Hooding ceremony and Sunday's main Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremonies while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Olivia Susan Fairchild
Sarah E. Fulcher
Leah Marie Galluzzi
Amanda Joan Haskins
Lauren Mikael Heikkinen
Stephanie Anne Herndon
Christin Leigh Hopp
Tiara Kalys Huff
Samuel Armand Johnson
Lindsey Elizabeth Kanes
Danielle Brooke Kopkin
Alexanna Kassy Kubler
Landon Barrett Lacey
Sarah Lynette Ladd
Alexandra Dean Leonard
Elizabeth Rosario Martinez
Megan Christin Nosol
Wendy Braxton Oxendine
Cristen Paige
Janna Marie Peacock
Lauren Nicole Peterson
Stacey Ann Platzman
Scott Alan Putman
Mary Elizabeth Reynolds
Erika Alexandra Rogawski
Christina Shoaf
Sabrina R. Simon
Anna Elizabeth Styers
Erica Sung
Camille LaVette Walton
Anna Victoria Winnicki
Megan Elizabeth Wolfe

Statistics and Operations Research
Virginia Ann Ahalt
Yu-Rui Chang
Lu Huang
Amit Kumar
Joseph Aaron Lavalle-Rivera
Yan Liu
Han Lu
Wissuta Prasertpol
Zhen Qi
Jeremy Sabourin
Wen Jenny Shi
Gang Wang
Yilan Xu
Sha Yuan
Yanwu Zeng
Yunxi Zhang
Huifang Zhao

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean James W. Dean Jr.

MASTER OF ACCOUNTING
Shelley Barrett Aldridge
Lauren Content Anderson
Nicolas Frederick Barnes
Alex Becker
Aspen Elizabeth Blackmon
Dexter Thomas Blackwell
Robert Alexander Board
Benjamin Charles Bowlby
Austin Wright Bradshaw
Adam David Brawley
Laura Caroline Carter
Natalie Chang
Baron Chen
Shangyuan Chen
Shuo Chen
Sunshine Chingching Chen
Katelyn Ann Clark
Jonathan L. Cohen
James L. Colston
Raymond Franklin Coppedge IV
Hannah Blythe Cranford
Christopher Thomas Creekmuir
Andrew Brooks Davenport
Hannah Lee Davis
Michael Andrew Dempsey
Ted Robert Donaldson
Stephen Gray Dougherty
Amber Joy Dunn
Stephen Alan Dunn
Lauren Alyse Estes
Charles R. Francis
Lindsay Morgan Furr
Alexis Carpenter Gainey
Ashton H. Garcia
Evgeny A. Garnovsky
Lee Buchanan Gay
Amy Sachiko Gilbert
Adam Michael Glass
Kristin Green
Jeremy Wayne Hall
Jiajia Hao
Jennifer Reed Harrell
Bethany Carole Harris
Christopher D. Hawley
Yun He
Dan P. Hoang
Sean M. Hoer
Casey Roman Horn
David Z. Howard
Paul Huckle
Evan Douglas Hurley
Fred Jones III
Steven E. Joseph
James William Keel
Evelyn Marie Kelley
Ralph Griffin Kennedy
David Eugene Kim
Suji Kim
Mary Magarene Kirkland
Benjamin Charles Knoedler
David James Koon
Christopher Michael Krajewski
Caroline Elizabeth Lawing
Molly Vien Le
Xiaolin Li
Xiaoyu Liu
Travis Drake Lowman
Kaleigh Elizabeth Lund
Robert Evans Mallard
Marc W. Matalavage
Mark Alan McLeod
Henry Matthew McMullan Jr.
Ian Garret Mesoznik
Alexander Duncan Miller
John Andrew Moore
Carver A. Morrow
Kaelyn A. Mulvey
Jeffrey Lee Nakayama
Thomas Charles Natale
Elizabeth Grace Neill
Marina Nesic
Elwood Adonis Nesser
Kelsey Nicole Noonan
Ryan Christopher O'Connor
Emily R. Oliver
Ronak C. Padhiar
David Robert Padykula
Namina Paik
Liqing Pan
Jaymee Dipak Patel
Jennifer L. Piasio
Nicole Lynn Pinter
Alexander Nicholas Pirro
Casey Sheree Putnam
Patrick Lee Reintgen
Katherine J. Robart
Phoebe Marie Roberts
Scott L. Rosenbaum
Robert F. Rowe
Guhan Santhappan
John Avery Scotton
Rebecca Lynn Seifel
Mehul Rajesh Shah
Sarang Mukesh Shah
Yash Amit Shah
Kelsey L. Short
Vasily Andreevich Shportko
Ray Tang
Hilary Jordan Taylor
John Wesley Umstead V
Stephanie Elizabeth Vaughn
Aaron Wall
Junyi Wang
Clayton Thomas Westbrook
James Block Wheless III
John Wu
Jack Jiacai Xie
Melody A. Yeh
Siqian Yu
Linda Cui Zhang
Weiqian Zhang

MASTER OF BUSINESS ADMINISTRATION
Mario Rodrigo Aguilar Ortiz
Edwin Robert Alcorn
Alana Rodriguez Alexander
Michael John-Murray Allen
Mohammed Al-Mazeedi
Stephanie Alofoje
Richard Louis Anderson
Ela Arur
Robert Selfridge Bailey III
Robert Glen Bamford
Hampton S. Barclay
Cherise Leane Barsell
Daphne Berdley
Jeremy Charles Berman
Brett Thomas Berry
Venkata Abhinav Sidharth Bhagavatula
Shweta Bhargava
Jeffrey Michael Bicksler
Natalie K. Birdwell
Nicholas Black
Blakely Blackford
Eric Michael Blancett
Yuri Alexander Blazar
David K. Boakye-Danquah
Kyle Bocko
Andrew Barrett Bohnengel
Nathaniel Bradley Bohon
Jan Botermann
Julia E. Bottiny
Francisco Carlos Brandao Maia Filho
David A. Bridges
Peter Jonathan Brinkerhoff
Elizabeth A. Brotman
James Crawford Broyles
John Grier Buchanan IV
Brian David Buland
Chiraphat Buranatrevedhya
Craig Robert Burnham
Damian Anthony Cannon
Koray Capraz
Brandt Richard Carr
Gregory Charles Cavanaugh
Ernie C. Chang
Abhishek Chikara
Kyoung Eun Cho
Emmeline Chu
Ha Lim Chun
Meghan Therese Clithero
Chance Wyatt Cobb
Todd Sanders Cobb
Robert Royall Coffey
Marie Carmelle Coichy-Dauphin
Lauren Collalto
Casey Elizabeth Cook
Joshua Chad Cooke
Alia Cousins
Robert Sean Crotty
Charles Alexander Crowell
Michael Wayne Davis
Marshal Dee
Anthony T. DeFilippo
Paul Denton
Lawrence Dernulc II
Pranjali Anil Deshpande
Anjali Devangan
Sunil Devarakonda
Shujie Dong
Erin Donovan
Michael Barry Donovan
Emily Dorfman
Maciej Dudek
Kelsey Durrett
Guillermo Elías Bautista
Christopher Randall Emond
Alvin Bartolome Esteves

Adam J. Evertsen
Yakov Falkovich
Mingmin Fang
Mark Edward Farrish
Maura Matthews Farver
James Peter Faulkner
Jessica Elizabeth Fields
Adedoyin Aderonke Fisayo
Courtney Elizabeth Fischer
Bryan Fleming
Jacob Bogan Fortune-Greeley
Patrick Burke Fraley
Christopher David Frantz
Ryan Kennedy Fraser
Travis Frayard
Robert George Frear III
Kristina Freeberg
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Jee Hwae Kim*
Xiao Fu Liu
Kevin Ryan Longhany*
Anqi Mai*
Remi Shay Moore*
Sarah Nadir Mostafa
Matthew Francis Nolan
Kesha Patel
Shreya Ramnikbhai Patel
Stjepan Drzislav Penavic
Forrest Lee Petterson*
Meaghan Kate Puckett
Daniel Francisco Ramirez Contreras*+
Christian Ronald Rudd
Cheryl Lee Schlitter*
Richard David Schmittgen III*
Anne Stewart*
Melissa Anne Tolentino+
Janice Wei-See Tse*
Luke John Wander*
Hannah Rose Weinberger*
Allison Elizabeth Weller*
Limin Xu*

Biology
Renee Jennifer Ackley
Henry Adekule Christian Agbaje
Joseph Gallus Alter
Shelle Brooke Anderson
Lauren Elizabeth Avery
Lauren Marie Baldwin
Lydia Ruth Baldwin
Brandon Charles Ballance
Michael Taylor Bitonti
David Keith Boor
Sean William Boyle
Kristin Hali Brock
Allison Gayle Broome
Taylor Danielle Brown
Heather Rosemarie Burke
Shannon Michelle Burleson*

Alyssa Nicole Capps
Elizabeth Perry Carriel
Philip Nichols Casey
Karrie Michelle Chapman
Devika Chawla*
David Andrew Chodosh*
Elizabeth Ann Cronin
Sarah Anne Crowgey
Kristin Elise Culbreth
Risa Elaine Dalsing
Cornelius James David
Paige Genevieve Derouin*
Vivek Kanwal Dewan
Erik Henry Dilts
David Dong*
Chelsea E. Dwyer*
Anthony Brent Eason
Jenny Patricia Ellis*
Celso Espinoza Jr.
Hanqing Feng
Spencer T. Foerste
Tess Ann Free
Kate Nicole Gooden
Caitlin Windsor Graham
Krista Emilia Gross
Joel Houston Hall
Saad Hamdani
Garin Lee Hamilton-Jones
Brittney Holland Harbin
Alexandra Grace Harris
Katherine Harrison
Meredith McIver Hawley*
Ashley Michelle Hockaday
Erin Dorothea Holdaway
David Levi Hood
Jordan Anders Humphrey
Margaret Lucile Hunter*
Almin Husicic
Lariah Danyelle Ijames
Sara Nicole James
Douglass Camp Johnson
Elizabeth Brooke Johnson
Emma Covey Johnson
Stephanie Ann Jones*
Kai Kang*
Lauren Michelle Krimminger
Quyntt Vinh Ly
Michele Amanda Martin
Shelby Jeannette Mason
Taryn Victoria McNamee
Angelica Rae Mercado
Carly Jane Miller
Karley Ann Murphy
Lydia Carraway Neal
Ashley Nicole Page
Makena Iyana Parker
Ankita D. Patel
Jordan Leigh Maly Preuss*
Kathleen Marie Quintana*
Erin Elizabeth Riley
Caroline Bell Roberts
Autumn Beth Rorrer
John Christopher Rounds*+
Thomas Edward Seelinger
Meghan Elizabeth Shea
Heather Lauren Sims
Ricky Son
Thomas Spaventa*
Christopher Michael Spencer
Amanda Catherine Srsic
Charles Douglas Stutesman
Victoria Isabelle Taylor
Hartley Sanders Tempest
Marian Thomas
Michelle Marie Thompson*
Allison Miles Tilley
Nga Tran
Bryan Scott Vodicka
Jazmine Zachia Hettie Walker
Kathleen Elizabeth Wallace+
Erika Mayfield Wesonga
Rebecca Hamilton White
Taylor Rose Wilson
Lauren Rebecca Wooten
Stephanie Yang
Nicole Zalles*+
Emily Joyce Zimmerman

Chemistry
Alec Roy Aaronson
Sarah Emily Anderson*
Christine Frances Archuleta
Vira Ihorivna Ayzenbart*
Brian Bernard Bailey
Devin Scott Bailey
Carlos Jose Baquero Nunez
Abby Lynn Becherer*
Ryan Matthew Bradley
Marquette Marie Brunson
Andrew Curtis Burton*
Veenadhari Chavakula*
Julia Gabriella Cluceru*
Catherine Collette Corser
Steven Matthew Demeraski
Catherine Frances Dial
David Dong*
Jonathan Allen Downs
Johanna Crill Dresser*
Latoria Sharmaine Hawkins
Ronald David Hearn
Emily Kaitlin Henderson
Sara Marie Hromadka
Sara Elizabeth Isaacson
Stephen Andrew Kallianos
Binoy Sudhir Kapadia*
David Samuel Franklin Kerner
MacKenzie Sewell LeCroy
Merlin Emrys Levine
Zahra Munther Mahbooba
Nick Matinyan
Russell John-Luke Maxwell*
Bruce Bakhtiar McNair
Jessica Louise Meidinger
Jordan Bradley Messer
Taylor Conway Meyer
Matthew Michael Minikus
Michelle Anne Ocampo
Julie Bharat Patel*
Renato Pereyra del Aguila*
Jessica Lindsey Prock
Sai Kalyan Chakrava Rao*
Adam Gissel Robinson
Michael Peter Ropero-Cartier
Jacqueline Erin Rudolph*
Kyle Robert Sebastian*
Akash Shah*
Elizabeth Dupree Stephenson*
Kyle James Stevens
Kyle Michael Swartz*
Noel Daniel Thompson
Bernard Monrae Walston
Michael Andrew Wells
Lane Elizabeth Whitman
Eric Matthew Williams

Classics
Gabriella A. Ansah*
Lydia Ruth Baldwin
Steven Matthew Burges*++
Meghan Margaret Demaria
Bennett Asbury Dixon*
Emmett F. Gilles*
Melissa Valakas Golding*
Alyssa Michelle Heba
Caitlin Olson Hines*++
Parker Leigh Jackson
Peter Daniel Karr
Rachel Elizabeth Hannah Mazzara*++
James Peter Reid*
Henry Laurence Ross*++
Rebekah Kristina Rust*
Kate Elizabeth St. John*
Sarah Elizabeth Mary Urdzik
Preston Charles Walker
Hilary Kay Wegner

Communication Studies
Russ Moore Adams

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

UNDERGRADUATE HONORS PROGRAM

Honors Carolina offers exceptionally well-qualified first-year students, sophomores and juniors an opportunity to take part of their general education curriculum in special honors seminars and honors sections. Honors seminars are special topics courses, limited in enrollment to 15 students and taught by outstanding members of the University faculty. Honors sections of regular departmental course offerings are also limited in enrollment and are taught by permanent members of the University faculty. Honors seminars and sections emphasize critical reading, class discussion and expository writing.

Senior departmental honors programs are provided for students who have demonstrated a very high level of scholastic ability and achievement and who desire to pursue an intensive, individualized program of study in their major discipline. Honors studies ordinarily consist of one or more of the following: the preparation of an honors thesis or essay, an independent research or reading program, an artistic performance or exhibition, or the completion of advanced course work in the major not normally required of students in that major. It is on the basis of participation in senior honors that a student may be graduated from the University "with Honors" or "with Highest Honors."

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Taylor Ryan Allison
Katherine Eleanor Ardrey
Christine Ann Augliera
William Seth Baldwin
Kristen Marie Baranowski
Cristina A. Barletta
Jacob Russell Beatley
Jessica Katheryn Bedussi*
Allison Scott Bonner*
Alexandra Elaine Bradsher*
Sarah Abigail Brady*
Courtney Michelle Brown*
Brian Lamont Burnett
Jessica Leigh Cagle*
Jared Andrew Ciervo*
Bhumi Rajnikant Dalia
Paul Joseph Davis
Alexa Lauren Del Tufo*
Kathryn Blythe Denault+
Marquel Kathleen Dougherty
Jacqueline Brittany Drexler
Katherine Renee Drye
Hannah Iva Eck*
Catherine Ann-Louise Edwards*
Justin Ravary Ellis
Amber Victoria Emerson
Caroline Margaret Engle
Allan Charles Erickson
Molly Virginia Eriksson
Kiara Shevon Exum
Hayley Rose Fahey*
Breada Anne Farrell
Caitlyn Elizabeth Ferebee*
Kathryn Ann Fogartie*
Kaitlin Elizabeth Frey
Tia Lea Gaffen
Alison Frances Gamble
Nicolas Rene Garces
Anna A. Gates
Keren Hadas Goldshlager*
Caleb Miles Goodnight
Wesley Ryan Graham
Michael Joseph Gray
Laura Anne Guderian
Dion Latez Guy
Michaela Hares
Steven McArthur Heller Jr.
Benjamin James Herboth
Kendra Diane Hickman
Michelle Renee Hicks+
William Lewis Hoggard
Hillary Ann Hollowood*
Marcus Robert Holman
Cornelia Bostick Hoover
Jordan Michal Hopson
Kathryn Murphy Horn*
Colton Delphy Hunt
William Robert Ipock
Rashmi Iyer+
Amy Caroline Jackson
Eric Andrew James*++
Shawntel Antionette James
Mary Nell Johnson+
Kristina Michelle Kinard*
Jacob Charles Kinzbach
Carson Donald Koenig
Michelle Kathryne Kohl

CONFERRING OF THE HOOD, TURNING OF THE TASSEL

At a certain point in a Commencement ceremony, a gesture or action symbolically indicates that the degree has been conferred. For doctoral degree candidates, that symbolic action is called the "hooding." During Saturday's Hooding ceremony, doctoral degree candidates will be conferred with a hood by the provost and either their advisor or dissertation committee chair. For undergraduates, the gesture is the turning of the tassel. At the beginning of the main Commencement ceremony on Sunday, undergraduate degree candidates will wear their tassels on the right side of the mortarboard (cap). Then, at the moment when their degrees are awarded, they will move them to the left side. Upon turning the tassel or being hooded, a student transitions from degree candidate to graduate.

Christian Bradford Kohlmann*
Emily Elizabeth Kole
Alexandra Nicole Kong
Mary Katherine Lassiter
Braden Crawford Lawrence
Rachel Ruth Lewallen*++
John Linzie Lilly
Tyler Stirling Little*++
Hanya Liu*
Benjamin Andrew Long
Jessica Ann Lowe
David Tam Luong
Alexa Lorraine Lytle*++
Ananya Vijaya Mallavarapu
Chantelle Marie Martin
Andrew Paul Matthews*
Kaylie Autumn McCraw
Shirlita Kurtz McFarland*
Tyler Joseph McGrady
Katelin Christine Meshaw
Hayley Bryn Mikkelson*
Lauren Renee Mincey
Emily Noelle Moore
Kiva Angeli Moore
Omar Morales
Ciara Marie Moraski
Kelly Rebecca Morgan
Thomas Decarlos Mosley
Saxony A. Nielsen
Brittany Lauren Nona
Erica Therese O'Brien
Jessica Lynn O'Brien
Kimberly Kathleen O'Hara
Sean Kerry O'Keefe
Sean A. Overbeeke
Anne Taylor Owens
Jade Nicole Palmer
Meredith Ann Parks*
Marissa Lachelle Peterson
James Michael Petracca
Rita P. Phetmixay*
Rebekah Jill Phipps
Chadd Joseph Pierce
Kane Alexander Price
Andrew Maxwell Puhala*
Eric Shawn Rayl*
Jordan Asher Reading
Melissa Lauren Reynolds
David Cameron Ricketts
Darian Hannah Rieth

Heather Alice Robertson
Sabrina Lee Rodgers
Jenna-Carrie Alison Rodrigues
Caroline Ashley Rorie
Dana Elizabeth Rothbart*
Kelsey Paige Rozier
Tierra La'She Ruffin-Pratt
Daniela Saborio
Arielle Molly Santiago*
Devon Ashley Schumann
Shaun Thomas Scott
Julia Janelle Shearer
Aviv Sheetrit*
Justin Nicholas Shields
Funmilayo Yeemisi Solar
Morgan Gwyn Steagall
Brittany Nicole Stewart
Kaitlyn Nicole Stover*
Dexter Terrez Strickland
Annsley Elizabeth Stroupe*
Erik Harrison Sugar
Meredith Grey Sunstrom*
Charlotte Victoria Tatum*
Ralph Rudolph Teal III
Stephanie Ann Tharrington
Kelsey Estrellita Tikvart
Mary Troutman
Korde Arrington Tuttle*++
John Thomas Utrata*
Lamonday Michelle Vinson-Baxter
Ashton McKee Wainwright*
Megan Elizabeth Warren
Benjamin Michael Welker
Rocco Anthony Wellek
Olivia Caroline Wells
Cody Matthew Welton
Jonathan Emery White
Benjamin Tyler Whitley
Courtney Turner Whittington
Natalie Nicole Wiggins
Kathryn Elise Wiley
Brennan Marcell Williams
Candace Alanna Wood
Warren Woodard*

Comparative Literature
Karen Leigh Alderfer*
Taylor Mark Bacques*++
Jennifer Christine Chapman*+

Timothy Miller Dement*
Kimberly Anne Dunn
Kelsey Elyn Foster*
Emmett F. Gilles*++
Stephanie Rebecca Haynes*
Clark Newman Sanford*++
Arielle Charleen Thomas+
Robert Hudson Vincent*++

Computer Science
Michael Joseph Guarino*
Kathryne Hollie Hawthorne*
Patrick Raymond Heenan*
Gary Austin Lanier
Amanda Leigh Melton
Elizabeth Anne Sheffield
Morgan Brooke Talley
Joseph Philip Waggoner

Contemporary European Studies
Kathryn Michelle Bailey
James Griffith McLeod
Shaniqua LaShay Singleton

Dramatic Art
Candyce Latona Adkins
Madison Owens Bakalar*
Alexandra Elaine Bradsher*
Mason Gregory Cordell
Erika Arlee Edwards*
Sarah Elizabeth Edwards
Emily Catherine Ellis*
Natasha Lopes Fischer*
Rachel MacIver Hicks*
Julia Rachel Howland-Myers
Radina Valerieva Ivanova
Melanie Ann Johnson*
Claire Farrell Karwowski*
Alexander Philip Koceja
Rachel Alexandra May
Zachary Pierce Meicher-Buzzi
Kelly Rebecca Morgan
Alexander Thomas Arthur Myers*
Melissa Mejias Parker
Meredith Ann Parks*
Natalie Isabella Pelletier*
Dillon Cole Rice
Patrick Dalton Robinson

Angela Marie Sibille
Noel Daniel Thompson
John Thomas Utrata*
Jasmine Shante White
Hayley Elise Wright
Travis Joseph Wright

Economics
Chloe Estelle Adcock*++
Seokhyun Ahn
David Gray Allen*
Eliza Grace Allen*
Salmaan Karim Allibhai*
Taylor Ryan Allison
Colin Joseph Allshouse
Swar Vimal Amin
Taylor Matthew Anderson
Jonathan Alexander Atkinson
Matthew James Austin
Jesse Alejandro Avellaneda
Jihoon Baik*
Bradley Haynes Baker*
Melissa Carolyn Ballard
JeongHoo Bang
Dan Taylor Barker
Brett A. Barnard*
David Bradford Baugus
Benjamin Elliott Beal
Michael Anthony Beben
Peter Jacob Bell*
Santiago Beltran*
Justin Michael Bickerstaff*+
Alexandra Headen Biggers
Christie Noelle Blazevich*
Kelly Elizabeth Blessing*++
Kahlil Maceo Blount*+
William Stuart Bost IV*++
Amber Chanel Bowden
Elliott Benjamin Brennan
James Connor Brown
Jackson Wyatt Bryant-Comstock
Barbara Buga
Michael Anthony Cantrell
Christopher Eden Canty
Elizabeth Grace Cappellari
Samuel Hamilton Carpenter
Xuan Chai*
Isai Angel Chavez
Ihor Volodymyrovuch Chaykivskyy
Hoi Yee Annissa Chi
Samantha Yin-Yin Chieng*
MinHwi Choi
Veronica Yve Clark*+
Benjamin James Clarke*
Graham Springmann Clay
John Reginald Collier
Celine Angela Comeau
Paul Leonard Comer IV*+
Laura Elizabeth Connolly*
Monica Zoron Cook
Elizabeth Irene Cooper
Natalie Anne Cooper
Matthew Bailey Corbitt
Daniel Keith Coward
Anupam Sanjiv Dalvi*
Nathan Raymond D'Ambrosio*
Jason Arthur Davis
Morgan Ceceilia Dean
Ryan Delgado
Michael DeMatteo
Steven Matthew Demcraski
Vivek Kanwal Dewan
Anthony Alexander Dillon
LeTian Dong
Brendan Owen Dowd
Leah Rose Downey*
William Davis Dunlap
Jason Allen Dunn*++
Evan James Dupe
Ryan Michael Engels
Arian Erfani
Yoon Jeung Eum
Andrew David Evans
Austin Robert Evans
Danyon Ralph Evans*
Robert Garrou Exum
Blake Michael Falk*
Andrew O'Keefe Falvey
Jonathan Fentekes
Trevor Allen Fisher*
Andrew Taylor Ford
Morgan Marie Fraraccio
James Frederick Frazier
Charles Jeffrey Gage*
Andrew David Gailey
Julius Gebhard-Koenigstein
Sarah Florian Genetti*
Shrija Ghosh
Mary Ellen Goode*
Danielle Nicole Graman
Dylan Collins Green
Gregory Dean Grissom Jr.*+
Samuel Cartwright Grete*
David Gu*
Chase Bartholomew Haislip
Katelyn Cristine Halldorson*
Paul Russell Hardin
David Benjamin Hare
Brian James Harris
Christopher Douglas Harris*
Jack Hart*
Michael Francis Harvey
Christopher Clark Hasty
John Thomas Haus
Brian Russell Hemminger
Robert Frazer Hinman
Norman Ho
Wade Alan Holmes
Julianne Kornegay Howard
Conor Thomas Howells*++
Yuxi Huang
Chandler Allen Huggins
Samuel Kenneth Hughes*
Hiu Wa Hui
Wing Tin Sabine Hung
Tyler Alexander Hunt
Jessica Anne Hurley
Robert Louis Hyman
Jarrett Islam
Joshua Charles James
Demetrius D. Jenkins
Rongjia Jiang*+
Douglass Camp Johnson
Meagan Elizabeth Johnson
Thomas Michael Johnson
William Grant Johnston*
Moustapha Kasse*
Alexis Lynn Kessler
Kevin Christopher Keyes
Nayab Hasan Khan*++
Saman Khoujinian
Samantha Rae Kiefer
Jung Ho Kim
Justin Youngjune Kim*
Minju Kim*
Sehoun Kim*
Brendan Tucker Kirwan
Peter Aiden Ko
Morgan Elizabeth Koder
Taylor Justice Kolasinski
Daniel Filip Kolev
Joonmo Koo
George Lawson Kuehnert*
Monisha Kumar
Spencer Paul Kunze
Austin Rich Lassiter
KaChun Lau
John Clancy Leahy Jr.
April Lee*
Daniel Park Lee
Dennis Jin Lee*
Ginny Lee
Minhak Lee
Ngai Lut Lee
Mohan Li
Rachel Liao
Benjamin Edward Litke
Shirley Liu
Yang Liu
Timothy Worth Longest
Everett Paul Lozzi
Joel Andrew Lugones
Marton Jozsef Lukacs
Michael David Madigan
Anqi Mai*
Adija Renee Manley*
Joseph Alexander Marley
Michael Thomas Mastropole
Cameron Lee Mathis
Logan Chambers Mauney*++
Filbert Maynard
Michael Devon McAlister
Patrick Daniel McCarthy*
William Warren McCormick*
Alessandra M. McCraney
Gabrielle Ann McDonald
Tyler Joseph McGrady
Patrick Joseph McLane+
Brian Patrick McSorley
Mansi Mehra
John Thomas Miller
Mackenzie Lynn Miller
Jacob Kenneth Millikin*+
Eric Simpson Moe
Daniel Edward Morgenstern
Arnav Mukherjee*
Michael Paul Murphy
Katherine Blake Murray*
Mwiti Ira Murungi
Sean Alexander Myers*++
Jeong-Hwan Na
Kyungho Na
Hosung Nam*
Madelyn Ray Newman
Viet Khang Quoc Nguyen*
Patrick Lowell Nolan
Jonathon Michael Ogrodnick
Damilola Olagunju
Jeremy Ominde Osir*
Ji Wan Park
JunYong Park
Ami Dilipkumar Patel
Monal Bipinbhai Patel
Ravi Pankaj Patel
Sunny Chandrakant Patel
Juan Fernando Patino
Margaret Jane Patterson*
Steven Andrew Pawlowski
Alexander Luis Payan
Brandon Peterson
Diem Ngoc Pham
Davis Lee Phanthalack*
Scott James Plybon
Kiley Brynne Pontrelli
Jay Thomas Prevatt
Christian Thomas Ramesberger
Joshua Lee Rankin
Jordan Douglas Reeves
Walton Harrison Reeves III
Audra Joyce Reiter*
Brandon Jerome Richard*
Meredith Lynne Richmond
Callie Elizabeth Ricketts
Alan Curtis Riley
Adrian Terrell Rivers
Michael Richard Rizzoni
Katherine Jane Rolf*
Henry Fain Roseman*
Andrew Neal Ruiz
Coleman Collier Russell
James Patrick Ryan*
Thomas E. Saintsing*
Oliver Moises Salman
Matthew James Sandberg
Niru Ramnik Sanghani*
Ishnaaz Sarkaria
Pallavi Chandrasekhar Sastry
Benjamin Zachary Schapira*
Stephen Jeffrey Scott
Taeho Aiden Seol
Jason Chansoo Seong
Austin Thomas Shaw*
Joseph Robert Shealy
Emily Rebecca Sheppard*
Yiyang Shi*

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Oong Cheol Shin*
Alexander Rex Sigmon
Robert Madison Singletary
Kathryn Marie Singsank*
Alyssa Jaclyn Smith
Elizabeth Anne Snyder*
Haoyu Song
Bradley William Songer
Christopher Lloyd Spargo
Michael Lambert Spell*
Mariel Sierra Steen
Matthew Philip Steinberg
Brittney Morgan Stokes*
Alexis Marie Sydow*
Gabriel Jose De Vera Tan
Jian Qi Tan*
Deborah Charlotte Tang
John Alexander Taylor*
Benjamin Albert Theye
Mackenzie Rae Thomas*
Polina Nikolayevna Twiss
Shannan Rae Twomey*
John Wells Van Beuningen
Dmitri Vitali Vorontsov
Christopher Matthew Wallace
Madison Brooks Waller
Kunlin Wang*
Samuel Joseph Wascher*
Benjamin Lee Weeks
Paul Andrew Wefer
Benjamin Michael Welker
Teresa Kaitlyn Wester
John Douglass Wheeler
Andrew John Wilbur
Tara Polon Williams
Zachary David Williams
Ruth Lipscomb Winecoff*
Nicole Marie Wingard
Kelsey Ann Wiseman
Caitlin Elisabeth Woodard
William Bradford Wrege
David Winfield Wright
Yuan Yao
Erin Deniz Yaylali
Albert Donghyup Yu
Pak Lun Yu
Ka Yi Yuen
Nicholas A. Zaleski
Jessica Lee Zhang
Charles Zheng*
Mingjun Zhu*
Amanda Lee Ziesemer

English
Ruth Solomon Abebe
Zachary William Abrams
Jessica Ann Adams*
David Samuel Adler*+
Caleb Paul Agnew*+
Jamie Lee Apone
Graham Wayne Arrowood
Madeleine Laura Backfield*
Glenn David Baird*
Madison Owens Bakalar*
Domonique Simone Baldwin
Andrew John Barbour*++
Nettie Christine Batts
Michael Thomas Beach
Rachel Lane Best*
Carson Montgomery Bills
Carson McSwain Blackwelder
Isabel Laurel Blue*+
Matthew Ryan Boulette*+
Kristen Laura Bowen
Sarah Abigail Brady*
Jenny Rebecca Burton
Walter Ethan Cagle
Maria Isabelle Carlos
Ashlea Marie Carver
Georgia Wood Cavanaugh*
Kirsten Linnea Chang*
Catherine Ann Cochrane
Alexander Miles Coclanis
Rachel Elizabeth Cole*
Katie Michelle Coleman
Alexia Rae Conley
Miles Alexander Cozart*+
Hayley Julia Crowell*
Duncan Banks Culbreth
Kaitlyn Nicole Daily
Bhumi Rajnikant Dalia
Scott Chandler Davis*+
Meghan Margaret Demaria
Taylor Rae Dodge*+
Anthony Brent Eason
Erika Arlee Edwards*
Maria Elizabeth Evans*
Tiffany Chioma Ezuma
Mikel Anthony Faasii
Hayley Rose Fahey*
Mary Kathryn Farmer
Patricia Ann Flood
Kelsey Elyn Foster
Nina Morgan Frank
Jimmy Robert Fulcher Jr.*
Kelsey Victoria Furr
Steven Patrick Garbin*+
Danielle Lorraine Gillyard
Dominique Monet Gillyard
Sarah Elizabeth Glaser*+
Ragan Leann Glover
Melissa Valakas Golding*
Miriam Jaeger Greenlee
Allison King Hargett*
Taylor Hartley*
Laura Ann Hiersteiner
Aiesha Rochelle High
Heather Alyse Holden*
Marvin Anthony House*+
Alexander Lansdell Howerton*+
Zoe Bassin Hughes*+
Jordan Foster Humphrey
Margaret Lucile Hunter*
Arthur Peter Iannacone*
Sarah Anastasia Ikalowych
Eric Andrew James*
Natascha Jenkins
Ryan Robert Jepson*++
Rosemary Lynn Johnson
Mengqi M. Ju*
Noah Benjamin Novik Katz*
Katherine Lynne Keifer*
Courtney Ann Kelly*
Kenan Brett Kerr
Nayab Hasan Khan*
Kelsey Anne King
Hugh Sibbele Koeze*++
Haley Konitshek*
Shelby Jonathon Lake*
Zee Robert Lamb
Anna Victoria Neal Langley*
Michael George Lavere
Ryan Lee*
Kadija Arimentha Lewis
Anna Beatrice Loewenthal*
Alexander Daniel Loyal*
Waverly Roze Lynch
Katherine Ann Majeski*
Elizabeth Scothern Marlowe
Isaac Robert Marsh*
Zachary Alexander Martin*
Sarah Elizabeth Mayo*++
Jessica Caroline McAdams
Grace Elizabeth McDermott*
Charles Augustine McDonough*+
Jessica Claire McGovern
Kelly Elizabeth McGrath
Amanda Leigh Melton
Madeline Moehling Merrill
Katherine Lynn Meyer*
Emily Frances Milks
Benjamin Pearce Miller*
Carolyn Leigh Miller
Catherine Anne Mitchell
Matthew Christopher Moran*
Sara Michelle Nestor
Katherine Elizabeth Nolan
Jennifer Elizabeth Nowicki
William Douglas Overton*+
Heejoo Park
Andrew Dorsett Paschal*+
Lindsay Ann Patton*
Staci Simone Pegues
Katherine Elizabeth Penley*
Kelicia Marie Phelps*
John-Michael Popovici
Katherine Marie Prudente
April Heather Pullium*++
Nicole Alexis Ramirez
Krystie Lee Rose Reichert
Brittany Linda Reid
Katrina Anne Reynolds*
Dillon Cole Rice
Thomas Joseph Rider
Isabelle Marie Riley
Peyton Arnal Riley
Tessa Christine Rodes
Kyle Andrew Rosko
Rachel Christine Rowe*
Sharon Ashley Russell
Thea Johanna Ryan
Victoria Jewell Schenker*
Lacy Alexandria Schmidt
Mary Woodell Scruggs
Jared William Shaffer*
Jessica Maria Silvia
Heather Lauren Sims
Ruth Anna Smith
Jenna Elizabeth Spain
Amanda Bell Sparger*
Brittany Spruill
Sydney Ellen Stegall*+
Lydia Cassady Stoney
Zachary Storey*
Lisa J. Stuntz*
Meshell L. Sturgis
Lauren A. Stutts
Travis Elizabeth Styres*+
Blake Geoffrey Theriot
Samantha Michael Thomasson*
Emily Margaret Tinsley*
Caroline Elizabeth Trull*
Catherine Elizabeth Uffman*+
Heather Victoria Van Wallendael*+
Charles Carter Walls*
Claire A. Wardius*
Daphne Vania Warren
Kelly Jean Webster
Mary Elizabeth White*
Kathryn Elise Wiley
Brittany Renea Williams
Sara Seay Wilson
Helen Elizabeth Roberson Woolard
William Terrell Wright*
Samantha Elaine Yarborough
Jennifer Yeh*

Environmental Studies
Elizabeth Roberts Cogdell
Carmen Alicia Davis
Sarah Charlotte Rose Giles
Elizabeth Locke Gooding
Tristan Douglas Green
Gregory Dean Grissom Jr.*
Brandon Russell Hays*
Katherine Elizabeth Heyde
Mary Blaisdell Hickey*
Garrett Jimenez Hollingsworth
Tirence Desean Horne
Mary Nell Johnson
William Douglas Leimenstoll*
Katie Lynn Lemay
Emily Caroline Love
Chris Celeste Luettich*
Hannah Elise Meeler
John Moreland Moran
Julio Paredes
Lindsey Alexa Purvis*
Matthew McMullan Safford
Ann Emmad Soltan*+

Exercise and Sport Science
Gregory Edward Allison
Hope Elizabeth Almeida*
London George Alpeter
Kenneth James Andoll
Alexandra Michelle Annear

John Patrick Ansbro
Alyse Marie Armstrong*
Courtney Marie Arrington
Breton Michael Erik Asken*++
Shelby Elyse Baez*
Lindsey Ann Ballard
Jessica Renee Barker
Maile Lea Bassett
Rebecca Leigh Batchelor
Catherine Ann Bates
John Thomas Becton
Jackson Hunter Bell
Alexius Nicole Benedict
Erin Elizabeth Berg
Laura Theresa Biesack
Lincoln Richard Bitting
Allison Seaman Blackburn
Allyson Bullard Blake
Travis Earl Bond
Elizabeth Murray Borden
Mollie Michelle Brewer
Campbell Parks Brown*
Carley Jaclyn Brown
Bridgette Melia Bryant
Kyle Mitchell Bryant*
William Andrew Bryant
Derek John Buchanan*
Margaret Drew Burgiss*
Chloe Kristen Call
Allison Leigh Campbell
Curtis Anthony Campbell
Marjorie Anne Campbell
Miguel Angel Cardona II
Phillip Ray Case
Samantha Nicole Cates*++
William Jeffrey Caudill
Dino Carlo Cauteruccio Jr.
Patrick Joshua Chance
Emily Lamberti Cid
Kansas Raynell Clarke
Erin Elizabeth Coats
Shannon Beale Cobb
Hurley Jacob Coggins
Sarah Elizabeth Cohen*
Kimberly Marie Cornella
Kristen K. Crenshaw
Christina Cromwell
Sarah Kathryn Dail
Kate Walker Davis
Kerry Cadman Davis
Nicole Faye Davis
Rebecca Britton Dayton
Zoe Josephine De Bruycker*
Anna Cecile DeFrancesco
Jasmine Lynn Dennis
Kenneth Nicholas Doyle
Kelly Ann Drake
Stacey Catherine Dudley*
Catherine Clark Duncan*
Darius Jamaal Duncan
Kelly Elizabeth Duncan
Suzanna Dupee*
Monica Ann Eckard
Elisha Ann Elliott
Andrew Ferrier*
Joseph Benjamin Fishel
Darrilyn Saranda Fisher
Davis Carr Fisher
Kathleen Perry Fitzgerald
Bradley Robert Fleck
Hannah Louise Fleishman*
Rukayat Gbemimiyi Folarin
Brandon David Foster*
Morgan Frances Gaines
James Franklin Gentry
Rebecca Leigh Gerdon
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Malcolm Jordan Allen*
Patrick Thomas Almquist
Deanna Louise Alrutz*
Faranak Shahsavar Amiri
David Hirschmann August
Stephanie Annemarie Baber*
Melvin Luther Backman
Spencer Mary Bakalar*
Natalie Ann Baker
Elizabeth Thompson Bakhaus
Alisa Kathryn Barbee*
Alyssandra Catherine Barnes
Chelsey Amanda Bentley
Jacob Scott Bevis
Carson McSwain Blackwelder
Ashley Nicole Blue
Emily Sanders Booker
John Bradley Booker
Stewart Whitfield Boss*
Callie Andrea Bost
Adam Alexander Bowers*
Lily Phipps Bowers
Taylor Marie Bridgers
Jennifer Megan Brodish
Betty Katherine Brown
Blair Frances Brown
Courtney Michelle Brown*
Gabriela Louisa Browne
Florence Carnét Bryan*++
Danielle Shari Bryant
Alexa Jordan Burrell
Rebecca Jill Bush
Elizabeth Gray Byrum
Julian Michael Caldwell
Austyn Elizabeth Canada
Kathryn Louise Carlson*
Claire Helen Carstens*
Kirstie Lynn Castañeira
Sterling Strudwick Cates*
Nora Stephanie Chan*
Carolyn Ashley Chandler
Frank Joseph Chapman
Jasmine Xiang Chen
Yueqin Chen*+
Elizabeth Emory Church
Shelley Susannah Clark
Joshua Scott Clinard
Margaret Heys Cobb
Jasmine Nicole Cogdell*
David Michael Coggins
Alexia Rae Conley
Victoria Leigh Cook
Caroline Andrea Corrigan
John Andrew Couch
Matthew Lewis Clinton Cox*+
Seth Lane Crawford
Julie Sarah Crimmins*+
Elizabeth Anne Crowell
William Archer Crum*
April Danielle Crump
Mohammed Zoheir Dabbagh

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

John Akins Daniels
Elizabeth Faire Davidson
Suzannah Kay Davidson
Alexis Monet Davis
Carissa April Davis
Tia Joy Davis*+
Emily Elizabeth Dean
Kathryn Elizabeth Denning
Katherine Elisabeth Dill
Rachel Beth Donlin
Allison Mary Driskill*+
Katherine Renee Drye
Tiffany Ann Du
Rebecca Kathleen Dudley
Lauren Elizabeth Edmonds
Stephanie Katharina Eisenring
Charlotte Pascalle Ekberg
Catherine Blair Ellis*
Emily Catherine Ellis*+
Omosefe Emokpae
Heather Nicole Engel*++
Alexander Michael Englehart
Kelsey Anne Fairholm*
Mary Kathryn Farmer
Melissa Nicole Flandreau*
Andrew Taylor Ford
Lauren Ashley Fox
Emily Ann Freeman*
Lily White Fu*
Morgan Frances Gaines
Emma Rihab Galli
Rahel Linda Katrina Gebremeskel
James Kent Geer
Alexa Renee Gellman
Alexander Donnell Giles
Dominique Monet Gillyard
Sarah Ellen Glen
Jamie Lynn Gnazzo
Keren Hadas Goldshlager*
Jordan Ashlan Graves*
Molly Katherine Green
Madeline Elizabeth Gregg*
Jessica Griffin
Leah Blair Griffin
Corinne Allison Guard
Jane Elizabeth Hall
Daphne Morgan Haraburd
Tyler Twelves Hardy*
Averi Naema Harper
Briana Cherie Harper*
Leslie Michelle Harris
Charles Matthew Hayes
Erica Leigh Heller
Elizabeth Anne Henderson*
Callie Fontaine Henson*
Alexandra Jean Higgins
Janae Nyasia Hinson
Colin Andrew Hodges
Sojung Hong*
Cheyenne Renee Hooks
Bojue Hou
Michael James Hourigan III*
Lauren Ashley Houston
Erin Fay Hull*
Sabrina Marie Husain*
Rachel Elizabeth Hutchins
Dorothy Jeanne Irwin
Alison Claire Ives*
Eleanor Hope Jesse
Casey Annette Johnson*
Melanie Ann Johnson*
Nicholas Cameron Johnson
Grace Margaret Joyal*
Ashley Michelle Joyner*
Mengqi M. Ju*
Chesley Elizabeth Kalnen
Jacqueline Hope Kantor
Erin Elizabeth Kelley
Jessica Rowan Saunders Kennedy*
Anna Kim
Min Ui Kim
Catherine Elizabeth King
Sarah Haywood King
Kaylon Maxie Kirk
Jacob Ryan Klein
Jeremy Bennett Knight*
Kathryn Folger Knight*
Freshia Wambui Koine
John J. Kunza IV
James Reid Kutrow
Paige Mackenzie Lager*
Catherine Austin Lahey
Jasmine Celeste Lamb
Caroline Elizabeth Land
Rachel Morgan Lanier
Katherine Diane Lee
Michael Young Lee
Ryan Lee*
Kelsey Anne Lemieur
Brett Kathryn Leumas
Michelle Christine Lewis*
Rosemary Lee Lewis
Angela Lin
Jamal William Little*
Tyler Stirling Little*
Benjamin Andrew Long
Chelsea Leigh Lowell
Greg Allison Lunsford
Lindsey Olive Luxon
Kaelyn Kristine Malkoski*+
Sarah Maner*
Susan Colclough Mann
Sarah Elizabeth Mansur
Brielle Nicole Mantin
Jessica Michelle Marker*
Leah Johnston McCann*
Alex Glover McClelland
Mary Parke Chamberlay McEachran
Lauren Ashley McHale
Katherine Farthing McIlwain*++
Katheryn Marie McKee*++
Sydney Lauren McKinney*
Dustin Sean McManus
Brittain Patricia McNeel*
Laura Hope Medlin
Kirstin Dru Meyerhoeffer
Katherine Nicole Milani
Ellen Blair Mincey
Aaron Stephen Moore
Kimberly Frances Ann Moore
Thomas Owen Moore
Sophia Morales*
Megan Elizabeth Morketter
Emilie Grace Mortensen
Jordan Rebecca Moses
Katherine Blake Murray*
Laurel Hannah Nakkas
Kathleen Marie Nolan
Brittany Lauren Nona
Alexandra Claire Norris
Stacey Elizabeth Northup
Patrick James O'Donovan
Nicole Marie Otto
Erin Nicole Owenby
Kendall Elizabeth Palmer
Melissa Alexan Paniagua Travers
Chelsea Marie Parker
Kelly Anne Parsons
Giavonna Cardeaire Partee
Marilyn F. Payne
Hayley J. Paytes
Elizabeth Anne Payton
LaDawn Shante Penigar-Mitchell
Alexandra Elena Perez
Margot Huai-Tsung Pien
Brett Thomas Piper
Claudia Alexandra Plazas*
Kelly Michelle Poe
Brittany Ann Raia*
Arlena Shariece Ratliff
Gabriel David Reynolds*
Kathleen Carter Riley
William Patrick Rimer*
Tessa Christine Rodes
Michael Anthony Rodriguez
Janice Mercedes Rojas
Brianna Shea Rolfe
Mary Alice Rose
Charles Alexander Royals
Kelsey Paige Rozier
Allison Marie Russell
Sharon Ashley Russell
Thea Johanna Ryan
Daniela Saborio
Victoria Elizabeth Sabourin
Elizabeth Newman Sager
Elena Marie Sanchez
Anthony Charles Sancibrian*
Gloria Elaine Schoeberle*
Sarah James Sessoms
Ilyasah N. Shabazz
Katherine Brooke Shaffer*
Ebony Juanita Shamberger
Jodie Michelle Singer*
Haley Melissa Sklut
London Rae Snuggs*
Ashton Paige Songer*
Karina Lim Soni
Kelley Elizabeth Sousa*
Jami Lea Sowers
Jamie Lee Stanley
Charlotte Alexandria Steddum
Alexandra Louise Stegall*
Kerry P. Steingraber
Ashlyn Rose Still
Kirsten R. Stone
Carolyn Marie Stotts
Caitlin McLeod Strober
Kinsey Lane Sullivan
Kimberly Brooke Summers
Molly Sutherland*
Benjamin Michael Swanson
Virginia Leighann Talley
Ryan Jay Teng
Anne Michelle Tessier*
Destiny Olivia Thompson
Melissa Anne Tolentino
Emily Laurel Tracy
Madeleine Lauren Trebenski
Kathleen Mary Trott
Dorcas Elizabeth Trotter
Kelsey Marie Tsipis
Megan Lindsay Turner
Courtney Christine Tye*
Johnny Omar Ubri-Cardona
Maria Amal Van Aalst*
Kelsey Amelia Van Dyke
Ashton Faye Wagner
Kristina Fayth Walker
Julia Michelle Wall
Megan Kathleen Walsh*
Paige Danielle Warmus
Mary-Alice Gehrig Warren
Tashiana Charde Wesley
Katherine Boutwell Wheeler*
Lindsey Allison Wheeler*
Gina Maria Wheeling
Jonathan Emery White
Jared Chandler Wicker
Rebecca Ann Wiedemann
Michael John Wightman*
Ashley Anne Wilkes*
Paige Rene Williams
Caroline Costner Williamson
Charnelle Larese Wilson
North Winship
Daniel Steven Wiser*
Chelsea Elizabeth Woerner
Margaret Lynn Yanda
Jessica Elaine Zhu

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN CLINICAL LABORATORY SCIENCE

Andrew Bryan Barnes
Teresa Lauren Britt*
Helen Bui
Blythe Nicole Butler
Jessica Chanell Clemmons
Leanda Donaie
Caitlin Elizabeth Drennan
Leslie Deanna Hopper
Alexander McLean Lawler

Mary Elizabeth McLawhorn
Kyra Michelle Nicholson
Gregory Clint Owens
Shelby Lynn Pavan
Jerrica Rae Snow
Timothy William Uicker
Susan Michelle Violet
Chaohui Yang

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE
Danielle Ashley Drum
Robert Ryan Howells
Raha Parandvar*
Ivey N. Summerlin*
Carl David Suter
Brandon Micheal Tracy
Adrian Trandafir
Angela Huynh Vuong*

The School of Nursing
ESTABLISHED 1950
Dean Kristen M. Swanson

BACHELOR OF SCIENCE IN NURSING
Michelle Lauren Annas
Kellie Anne Archer
Sarah Elizabeth Ayers*
Sarah Elizabeth Barbour*
Samuel Edison Benton III*+
Hannah Alexis Boatright*
Laura Catherine Borders*
Michelle Alison Bouvier*
Audrey Clare Boyles
Katharine Noelle Branoff
Katrina Nicole Bunting
Jessica Lynn Charette*
Yvonne Huynh Chau
Michele Tidwell Cole
Jessica Raffaele Coleman*
Annette Cooper*
Monica Renee Cottrell
Abigail Ruth Crider*
Kathlyn Kelly Crisp
Clarissa Cherry Curtis*
Anna Thanh Dang
Lydda Faye De Guia
Renee Elizabeth Denbow*
Milana Dezube*
Blair Petranella Dorrestein
Aniesha Dukkipati
Anna Catherine Dwiggins
Allison Foster Edwards*
Courtney Michelle Fales
Cristi Marie Finch*
Bentley Grey Fisher*
Devin Christel Fohn*+
Colleen Rose Forbes
Stacy Lynn Forrester
Nicole Leigh Fowler*
Lauren Elizabeth Georges
Lindsey Paige Gilbert*
Matthew James Grady
Adrienne Chapman Graeub
Alison Jean Grimme
Stefanie Guarinello*
Graziele Dos Santos Vilela Hansen*
Patrick Andrew Harrison
Claire-Elisabeth Anne Hartman*
Lindsey McCardle Heinz
Bryan Patrick Higgins
Sheena Thompson Hilton*
Adrienne Gayle Himmelberg*
Jason Thomas Hinger
Colby Michelle Hollis*
Tyler Franklin Horne
Crystal Dawn Howard*
Jennie Jeune
Andrew David Jimenez
David Nathaniel Johnson*+
Inneke Miesha Johnson
Kathryn Lane Johnston*
Cassandra Fuller Jones
Charlamy Megan Jones
Rebecca Ashley Kabatchnick*++
Sarah Abigail Kaminer*+
Anna Pauline Kanoy*
Michele Ann Kennedy*
Lia Kenyon
Lydia Yinae Kim
Bradley Justus Kinnison*
Dana Lee Kleber*
Kelsey Margaret Knight*+
Morenike Ashley Kolawole
Jamie Kristen Kornelis
Lindsey Marie Lang*
Lindsay Elizabeth Larison++
Anne Titilope Lawoyin
Meredith April Leonard*
Shelley Mason Lockerman
Felisa Ines Marsh
Bethany Marvin*
Kayla Ann McCommons*
Carmen Elizabeth McGill*
Lauren Gavin McKenna
Ashley Marie Miller*
Mary Susan Miller+
Tally Elizabeth Miller+
Meredith Stewart Mills*
Kai Sadim Moreb
Lakisha Morgan
Kathryn Fox Myers
Allison Lindsey Neal*
Courtney Megan O'Connor*+
Ashley Nicole Pack*
Haley Brianne Paterson*
Julia Alyse Pernick
Aaron Michael Petty
Winona Elizabeth Poulton*++
Katherine Price
Morgan Marissa Price*
Raquel Mercedes Ramirez
Lance Edward Ramsey*
David A. Reed*+
Charlotte Anne Refvem*+
Olivia Reid*++
Suzann Elizabeth Riddle*
Jessica Dee Robertson
Maria Luisa Rosales
Emily Elizabeth Radford Ryan*+
Karley Elizabeth Saffer*
Jennifer Elizabeth Scepanski
Kimberly Schlegel
Taylor Christine Schmidt*
Heidi Scronce
Micah Shizue Alika Seifert
Ashley Sells*
Luis Serpa*
Steven Joseph Seta*
Ashley Heard Sewell
Rebecca Shaw*
Margaret Jane Simmons*
Christine Margaret Uy Smith
Olivia Ellen Smith*
Joanna M. Solkoff*+
Katherine Nicole Southers*
Casey Nicole Spiro
Melinda Nicole Squires
Melia Anne Stanek*
Lauren Ann Stanfel*
Lydia Ruth Stickel
Rachel Marie Stowe*+
Lynda McGill Strable*
Anila Hanna Thomas
Jennifer Erin Thrall
Lindsay Blaine Tuttle
Juan F. Upegui
Jacqueline Ann Vincent
Emily Denise Weaver
Meredith Moser Webster*
Richard Ryan Weeks
Stephen Michael Wesner Jr.
Susan Emily Archer West
Emilyn Blair White*
Marc Frederick White
Alexandria Laurelle Whitted
Amanda Blake Wisniewski
Max Teal Wolff
Alison Nicole Young

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES
Dabney Simone Allen
Amy Y. Baek
Samantha Helen Bochenek
Carly Rebecca Boyette
Katelyn Elizabeth Byers
Bryan Carl Casciere
Randy William Cooper
Sarah Jane Cox
Logan Blair Dawson
Jesse Mitchell Fletcher
Rebecca Michelle Garcia
Jessica Michelle Greene
Sara Youssef Mohamed Hammad
Megan Elizabeth Hughes
Juliana Helen Jing
Charissa Wei-Ann Kam
Lauren Elizabeth Kane
Stacey A. Karl
Ebony Kyerra Kennedy
Ji Won Kim
Kathryn Margaret Latham
Brittany Michele Loy
Kevin T. Mayer
Caroline Marie Meehan
Kelly A. Mullican
Kimberly Paige Niver
Arti J. Patel
Radha Patel
Julian Frank Pinheiro
Breanne Marie Roess
Hope Christine Scrafin
Jonathan Michael Shaw
Stephanie M. Somers
Ryan Thomas Stephens
Tyler Edmondson Swann
Kaitlyn Rae Taylor
Erika Katrina Von Vajna
Nicholas Bradford Watts
Deanna Dai-Ling Wung
Michele Yang
Henry Yu

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH
Alexandra Elise Almeter++
Anne Marie Altschul+
Erica Brecht Andrews++
Emily Sue Bailey
Neil Avinash Bhathela*
Jonathan Levi Boortz-Marx++
Emily Dee Braaten*
Sarah Elizabeth Bridger+
Allison Delaney Briggs*
Jessica Taylor Broadus*
Emily Claire Chapin*
Daniel Young Wook Cho*
Caroline Melia Crews
Sarah Elizabeth Drobka
Rebecca Mae Dunn*
Amy Carolyn Edwards*++
Michael Drew Edwards
George Brennan Fox*
William Keith Funkhouser III*
Sheila Marie Gaynor*++
Matthew Bennet Givens*
Abram Jordan Graham*
Christopher John Harvey*

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Allie Kathryn Henderson*
Emma Covey Johnson
Terence Leo Johnson
Rachel Ann Johnston*++
Adam Jutha*+
Crystal Zi-Ling Ki
Eunsoo Timothy Kim*++
Rasagna Kosaraju
Michelle Chen Kuei*++
Madison Paige Lackey*++
Alexander Paul Lang*
Michael Thomas Lawson*
Yurhee Grace Lee++
Hannah Gordon Leker*
Hannah Jozette Leonard
Todd Patrick Lewis*++
Shimena Ruth Li*
Emily Helana Linett*
Shuaiqing Liu*++
Ethan Thomas Lubanski
Alecia Marie Mahato
Melissa Ashley Martinez++
Russell John-Luke Maxwell*
Zachary Ryan McCaw*
Frederick Charles Morgan IV*+
Maylott Mulugeta
Colleen Marie Murphy
Shannon Catherine Murphy*
Jennifer M. Pan*
Shampa A. Panda
Karan Prashant Pandya*
Candice Jin Park*
Krishna Dipak Patel*++
Jared William Peacock+
Elizabeth Bryan Pierce
Amanda Anne Piltzer*
William Stewart Powell*
Matthew Daniel Puzin*
Niranjani Radhakrishnan
Jessica Carleigh Richardson
Elizabeth Marie Sebastian*
Tara Seshan
Shreena Gaurang Shah*+
Matthew Anthony Shropshire-Griffin
Morgan Jane Skiperdene*
Natalia Smirnova*+
Laura Allen Smith*++
Patrick Drexel Snyder*
Justin Robert Sodoma*
Lydia Alexandra Stewart++
Tara Lee Stout*
Elizabeth Anne White
Andrew David Williams*
Xingjian Yan*
Yu Zhou
Emily Frykman Zuehlke*

Candidates Commissioned in the Armed Forces

MAY 2013

UNITED STATES AIR FORCE SECOND LIEUTENANT

Jonathan W. Daniels
Michelle V. Lucas
Kyle M. Swartz
Jessica C. Trawick

UNITED STATES ARMY SECOND LIEUTENANT

David Boor
Cory Deaton
Sara Isaacson
Calvin Lewis Jr.
Oliver Salman
James Seaton

UNITED STATES NAVAL ENSIGN

Michael Walker Dinkins
Min Seon Hurin
John Alexander Lawler
Zachary Brian Miller
Kristen Nicole Taulbee
Hartley Sanders Tempest
Amanda Renee Terrill
William John Wagner

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++ *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

May 2013

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

CERTIFICATE IN DENTAL HYGIENE
Daniella Bejarano
Jessica Ann Cathey
Amanda Faith Galyean
Nicole Patricia Kulis
Jenny Tiet

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
John Eric Combs
Robert Wike Graham II
Rahsheem Dadece Holland
Mark Jacquot Tempest

Postbaccalaureate Certificates

The School of Journalism and Mass Communication
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Andrew Joyner
Christopher Davis Rogers
Elizabeth Anne Swindell
Christopher Edward Widmar
Lenise Carolyn Willis

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

POSTBACCALAUREATE CERTIFICATE IN AUDITORY LEARNING IN YOUNG CHILDREN
Monica Lindsay Alexander
Marti Bleidt
Karen Michelle Nalley-Artalejo
David Kent Pond
Maria Sidiropoulou-Leontis
Karen Joyce Venhuizen

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Robert Fred Clark
Katie Donovan
Evelyn Benson Houtz
Lisa Anne Shroff

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Cynthia Ann Binanay
Saumil Mahendra Chudgar
Maria Isabel Jimenez
Adrienne Joines Michalek
Matthew Thomas McKirahan
Melissa W. McLawhorn
Janessa A. Saunders
Affivia Davies Shabazz
John Freiler Wayne Thompson
Jill Catherine Wright

MEDALS, PRIZES *and* AWARDS

May 2013 *Awards noted are for the 2012–2013 academic year.*

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
Andrew Rhodes Thomason

The Eben Alexander Prize in Greek
Caitlin Olson Hines

The Peter C. Baxter Memorial Prize in American Studies
Nina Sophia Bryce

The Bernard Boyd Memorial Prize
Jocelyn Kate Burney

The Camões Prize in Portuguese
Jared Parker Scruggs

The James O. Cansler Service Award
Lauren Kimberly Hovis

The Cornelius O. Cathey Award
Margaret Grace Hatcher

The Chi Omega Award for Scholarship and Leadership
Mackenzie Rae Thomas

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Chenxi Yu

The Albert and Gladys Hall Coates Award
Travis James Crayton

The George H. Cocolas Pharmacy Student Body Award
Maya Chen Wai

The Josephus Daniels Scholarship Medal
John Alexander Lawler

The Roger A. Davis Memorial Award
Hans Peng

The Paul Debreczeny Prize in Slavic Languages and Literatures
Kathryn Alyssa Pribble

The Patrick F. Earey Award
Hope Elizabeth Almeida

The Marc Adam Eisdorfer Award in Linguistics
Ivy Ilyse Hauser

The Edward Kidder Graham Award
Karina Anne Lim Soni

The Frank Porter Graham Award
Mackenzie Rae Thomas

The Jane Craige Gray Memorial Award
Hetali Mayur Lodaya

The Greek Alliance Council Award
Anthony Craig Locklear II

The Boka W. Hadzija Graduate Award for Distinguished Service
Stephanie Lynnette Baker

The I. R. Hagadorn Award
Joseph Scott Goodwin

The Jacques Hardré Undergraduate Award for Excellence in French
Annie Catherine Segal

The Edward McGowan Hedgpeth Award
Frederick Charles Morgan IV
Kelsey Pan

The Archibald Henderson Mathematics Medal
Shreyas Samir Tikare
Nathan Michael Vos

The George Moses Horton Award for Multicultural Leadership
Alexis Monet Davis

The Robert B. House Distinguished Service Award
Stewart Whitfield Boss

The Robert B. House Memorial Prize in Poetry
Benjamin Pearce Miller

The Interfraternity Council Man of the Year Award
Jack Andrew Partain

The E. Eugene Jackson Award
George Lawson Kuehnert

The James M. Johnston Distinguished Senior Award in the Nursing Program
Karley Elizabeth Saffer

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
Dylan James Greenleaf

The Alexander Julian Prize
Joseph Gray Swartzel

The Brenda W. Kirby Award
Monisola Osayuwamen Oyedepo

The Mary Turner Lane Award in Women's and Gender Studies
Katherine Marie Watkins

The Irene F. Lee Award
Amanda Claire Grayson

The Robert White Linker Award
Jennifer Leigh Bingham

The George R. Livas Outstanding Senior Nursing Award
Olivia Reid

The Willie P. Mangum Medal in Oratory
Carlyle Alexander Blomme

The McNally Award for Excellence in Geography
Joseph Allen Daniels

The National Pan-Hellenic Council Award
Denzel Wesley McCollum

The Howard W. Odum Undergraduate Sociology Award
Samantha Nicole Martinez

The Panhellenic Council Woman of the Year Award
Brielle Nicole Mantin

The Rob Park Memorial Award
Carly Michelle Couch

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Christopher Adam Scanzoni

The Wallace Ray Peppers Award in Performance of African and African American Literature
Jessica Le'Gail Boone

The L. Richardson Preyer Award for Excellence in Political Science
Rachel Maureen Myrick

The Kenneth C. Royall Award
Kyle Michael Swartz

The Louis D. Rubin Jr. Prize in Creative Writing
Meredith Anne Jones

The J. Maryon Saunders Award
Justin Robert Sodoma

The Paul E. Shearin Outstanding Senior Award in Physics
Alexandru Bacanu

The Hampton Shuping Prize
Abby Caroline Harrill

The Earl Slocum Band Award
Richard Bradford Drehoff Jr.
Philip Melancthon Snyder V

The Keith Shawn Smith Award for Community Development and Mentorship
Christopher Daniel Silva

The Walter S. Spearman Award
Kyle Michael Swartz

The Sport Clubs Council Achievement Award
Elizabeth Abbey Sims

The Ria Stambaugh Undergraduate Award for Excellence in German
Madeleine Laura Backfield

The Sterling A. Stoudemire Award for Excellence in Spanish
Emily Alyssa Whitfield

The Algernon Sydney Sullivan Award
Burcu Bozkurt
Henry Laurence Ross

The Albert Suskin Prize in Latin
Rachel Elizabeth Hannah Mazzara

The Jim Tatum Memorial Award
Jonathan Javell Cooper

The Ferebee Taylor Award
Henry Laurence Ross

The Undergraduate Prize in Art History
Hannah Morgan Clager

The Undergraduate Prize in Economics
Sean Alexander Myers

The Venable Medal
Shane Richard Wallace Glen Russell
Haoming Xu

The Op White Prize in Geology
Evan Bruce Baker

The Worth Award
Daniel Everett Ferguson

STUDENT ORGANIZATION AWARDS

Carolina Center for Jewish Studies

Carolina Center for Jewish Studies Undergraduate Research Award
Jocelyn Burney

Elsie Kaplan "Mother" Shapiro ZBT Undergraduate Research and Travel Grant
Liliana Gregory

Carolina Center for Public Service

Buckley Public Service Scholars
Chavez Ricardo Adams
Whitney Nicole Adams
Kelsey Barbat Aho
Calisha Shatara Allen
Hope Elizabeth Almeida
Prosper Amponsah
Margaret Elizabeth Anderson
Timothy Armstrong
Nicolette Victoria Ash
Emily Sue Bailey
Spencer Mary Bakalar
Priya Balagopal
Alexandra Brye Whatley Balkum
Benjamin Carter Barge
Victoria D'Ereka Bennett
Alexandra Biggers
Rashi Bisarya
Tracy Jewel Blauweiss
Christie Noelle Blazevich
Caitlin Amanda Bold
Amber Chanel Bowden
Audrey Clare Boyles
Katharine Noelle Branoff
Betty Katherine Brown
Gabriella Margaret Brown
Holly Elizabeth Brugger
Laura Catherine Brush
Nina Bryce
Kelly Anne Buchanan
Helen Bui
Steven Matthew Burges
Elizabeth Gray Byrum
Ana Beatriz Cabello-De la Garza
Austyn Elizabeth Canada
Ashlea Carver
Isabella Cummings Cassell
Sterling Strudwick Cates
Georgia Wood Cavanaugh
Lindsay Kathryn Chambers
Devika Chawla
Dan Chen
Kansas Clarke
Jasmine Nicole Cogdell
Julie Sarah Crimmins
Erin Kathleen Cuellar
Nicole Alexandria Cummings
Julia Pivatto Da Silva
Adrienne Dahrouge
Bhumi Rajnikant Dalia
Anupam Dalvi
Alexis Monet Davis
Tia Joy Davis
Mitali Dayal
Meghan Margaret DeMaria
Joseph Albert DeRusso IV
Kevin Diao
Delaney Leigh Dixon
Vivian Doan
Francis Leopoldo Downing
Warché K. Downing
Jacqueline Drexler
Jason Allen Dunn
Marlène Eaton
Emily Catherine Ellis
Heather Engel
Sheila Enoh
Giovana Angela Espejo
Tiffany Chioma Ezuma
Alvera Antonette Marie Feeny
Natasha Lopes Fischer
Kevin Christian Pineda Flores
George Brennan Fox
Jacob Ross Frumkin
Taylor Cymone Fulton
Amanda Leshelle Gadsden
David George Gahary
Sheila Gaynor
Matthew Givens
Marissa Rachael Gluck
Varun tej Gonuguntla
Elizabeth Gooding
Alison Gover
Amanda Claire Grayson
Jessica Lauren Grieger
Laura Anne Guderian
Katelyn Cristine Halldorson
Kevin Brian Harris
Emma Catherine Harver
Xie He
Kayla Mercidese Head
Patrick Heenan
Brooke Herda
Jessica Leigh Hetzel
Michelle Renee Hicks
Lindsay Allison Hoffman
Holly Marie Holbrook
Cornelia Hoover
Leslie Hopper
Cameron Lecarter Horne
Lauren Kimberly Hovis
Patricia Huerta
Jonathan Samuel Hurley
Renae Ann James
Jenny Jan
Jennie Jeune
Mary Nell Johnson
Rachel Ann Johnston
Christopher Michael Jones
Haley Jewell Jones
Kelsey Jost-Creegan
Adam Jutha
Chesley Elizabeth Kalnen
Sarah Abigail Kaminer
Anna Karam
Albertina Luwi Kawatu
Emily Ruth Keefer
Asif Alam Khan
Nayab Hasan Khan
Min Ui Kim
Rachel Kirby
Rasagna Kosaraju
Sarah Elizabeth Krantz
George Lawson Kuehnert
Madison Paige Lackey
Scott Lallier
Emily Allison Lamb
James Lancaster
Lindsey Marie Lang
Zobaida Laota
Lindsay Elizabeth Larison
Kelly Margaret LeDoux
William Douglas Leimenstoll
Todd Lewis
Zhujun Liang
Karen Lin
Sarah Nelson Lineberry
Emily Helana Linett
Michael Harris Little
Xiao Fu Liu
Lauren Ashley Livingston
Suzanne Kathleen Lucci
Nicholas John Ludlow
Joel Andrew Lugones
Waverly Roze Lynch
Meghan Elizabeth Lyons
Alexa Lytle
Randi Mackler
Sarah Mafe
Alecia Marie Mahato
Michael Thomas Mastropole
Erin Ilene McCarty
Ashley McClelland
Camille Ruth McGirt
Katheryn Marie McKee
Chelsea Lee McMullen
Taryn McNamee
Miranda Nicole McNear
Jordan Elliot Meer
Carmen Mendoza
Sarika Mendu
Lindsey Miller
Marlena Shantal Moore
Morgan Elizabeth Moore
Elizabeth Caitlin Moroney
Asia Nicole Morris
Rebekah Elese Morrison
Graham Mulvaney
Alexandra Rae Munden
Shannon Catherine Murphy
Rachel Myrick
Sarbajeet Nagdas
Gabrielle Leigh Neri-Mynatt
Lindsay Prescott Newman
Antoinette Chanel Newsome
Jackclyn Elisa Ngo
Jacqueline Nichols
Laurin JoAnn Novitsky
Karen Patricia Obando
Michael Jeffrey Oehler
Sarah Osborne
Monisola Osayuwamen Oyedepo
Jennifer M. Pan
Jagir Dushyant Patel
Krishna Dipak Patel
Leena Patel
Julia Marie Payment
Yesenia Pedro Vicente
Emalyn Canada Penn
Daniel Mark Peterson
Kelly Anne Peuquet
Rita P Phetmixay
Chelsea Erin Phipps
Abigail Poeske
Bess Rhoads Powell
Camilla Sylvia Powierza
Collin Mathew Price
Natalie Prince
Anna Marie Ramundo
Sadana Rangarao
Swati Rayasam
Samuel Whitcomb Reed
Kayce Resha
Jessica Richardson
Meghan Robbins
Adam Gissel Robinson
Katherine Jane Rolf

* *Chancellor's Award*

Lindsay Elizabeth Rosenfeld
Kameron Anesa Rowe
Dana Jo Royal
Christopher Adam Scanzoni
Lacy Schmidt
Kelly Pearson Scott
Kavya Sekar
Tara Seshan
Ilyasah N Shabazz
Shreena Shah
Austin Thomas Shaw
Emily Rebecca Sheppard
Amee H. Shrimanker
Melina Perroni Silva
Rayna Singh
Aliza Rose Sir
Sara Oliver Skelton
Natalia Smirnova
Alexandra Hill Snedeker
Justin Robert Sodoma
Ashton Paige Songer
Kelley Elizabeth Sousa
Amanda Srsic
Kristina Marielle Stanson
Brittney Morgan Stokes
Mariah Street
Bilan Ariel Stribling
Renee Tan Sullender
Chelsea Sullivan
Colin Paul Sullivan
Alexis Sydow
Grace Alexandra Sykes
Sana Tariq
Kara Grace Thio
Natalie Sato Thom
Mackenzie Thomas
Marian Thomas
Emily Margaret Tinsley
Sarah Torp
Johnny Omar Ubri-Cardona
Nnedinma Umeadi
Ruksona Kamil Usmanova
Erin Graylen Walker
Bernard Monrae Walston
Xiaoding Wang
Chelsea Mullane Weiermiller
Mary Katherine Weinel
Madelyn Blum Welch
Bianca Sade' White
Jeffrey Allen White
Rebecca Hamilton White
Elyse Drennan Will
Rachel Lauren Williams
Elizabeth Mariah Willis
Charnelle Larese Wilson
Elizabeth Marie Windsor
Mary Katherine Wurzelmann
Mao Yang
Brendan John Yorke
Everett Glenn Young
Nicole Zalles
Emily Frykman Zuehlke

Dialectic and Philanthropic Societies

The Joint Senate 2013 Graduates
Devon Lane Abdo (Philanthropic Society)
Steven Matthew Burges (Dialectic Society)
Carlyle Alexander Blomme (Dialectic Society)
Taylor Bacques (Dialectic Society)
Meghan Margaret DeMaria (Philanthropic Society)
Jennifer Kay Fredette (Philanthropic Society)
Timothy Longest (Philanthropic Society)
Jeong Na (Philanthropic Society)

*The Willie P. Mangum Medal in Oratory**
Carlyle Alexander Blomme

Office for Undergraduate Research

Carolina Research Scholars
Kelsey Barbat Aho
Mohsin Mazhar Ali
Sarah Emily Anderson
Paige Noelle Andrews
Salma Haleema Azam
Andrew Alexander Basinger
Thomas Edwin Bass
Gabriella Margaret Brown
Jean Michelina Clement
Dillion Craig Cockrell
Sarah Elizabeth Cohen
Travis Alexander Courtney
Stephanie Manisha Doctor
Sarah Elizabeth Drobka
Bryan John Dworak
Sheila Marie Gaynor
Ragan LeAnn Glover
Maggie Elizabeth Grossman
Herodes Garzon Guzman
Serena Nicole Hackerott
Abby Lynn Halpern
Kevin Brian Harris
Mattis Hennings
William Clifford Hope
Tori Brittany James
Emma Covey Johnson
George Franklin Jones
Haley Konitshek
Kelly Ann Knowles
Ashley Carmen Kuan
George Lawson Kuehnert
James Wilson Lancaster
Hannah Gordon Leker
Michael Harris Little
Xiao Fu Liu
David Tam Luong
Samantha Nicole Martinez
Katheryn Marie McKee
Sarika Lakshmi Mendu
Allison Rose O'Toole
Shampa Anupurba Panda
Jessica Leigh Parks
Esita Yagnesh Patel
Krishna Dipak Patel
Sunny Chandrakant Patel
Collin Mathew Price
Andrew Connor Puett
Kayleigh Estella Reyes
Lindsay Elizabeth Rosenfeld
Walker Stuyvesant Rutherfurd
Mary Rebecca Shen
Rayna Flores Singh
Alexandra Hill Snedeker
Kelly Elizabeth Speare
Kristina Marielle Stanson
Sydney Ellen Stegall
Marla Cherise Sullivan
Jackson Bohannon Trotman
Nivedita Umasank
Xiaoding Wang
Melissa Leigh Wrzesien
Everett Glenn Young

Sonja Haynes Stone Center for Black Culture and History

*George Moses Horton Award for Multicultural Leadership**
Alexis M. Davis

Scholarships

The Eve Marie Carson Memorial Junior Year Merit Scholarship
Irene Konstantinos Avramidis
Sarah Abigail Kaminer

DISTINGUISHED SCHOLARSHIPS

The Humanity in Action Fellowship
Kelsey Michaela Jost-Creegan

The Luce Scholars Program
William Douglas Leimenstoll
Henry Laurence Ross

The Rhodes Scholarship
Rachel Maureen Myrick

UNIVERSITY DISTINGUISHED SCHOLAR GRADUATES

Alston-Pleasants Scholar
Allison Seaman Blackburn

Armfield Merit Scholar
David Samuel Franklin Kerner

Mark R. Braswell Scholars
Matthew Spencer Burton
John Henry Chapman
Abigail Ruth Crider
Lauren Elisabeth Page
Charlotte Victoria Tatum

Carolina Scholars
Ruth Solomon Abebe
Alejandro Luis Antonia
Jamie Lee Apone
Salma Azam
Haley Theresa Batz
Matthew Drexel Biggers
Isabel Laurel Blue
Preston Lee Burnett
Matthew Richard Cho
Julie Sarah Crimmins
Stuti Das
James Arlo Dennison
Heather Marie Farthing
Rahel Linda Katrina Gebremeskel
Laura Renee Hamrick
Patrick R. Heenan
Andrew Timothy Heil
Zoe Bassin Hughes
William Thornton Ireland
Darrius Spencer Jones
Mengqi M. Ju
Siobhan Rosemary Kenney
George Lawson Kuehnert
Charles Augustine McDonough
Sarika Lakshmi Mendu
Mariah Moore
Melissa Mejias Parker
Michael Edward Rooney
Lisa J. Stuntz
Renee Tan Sullender
Erik Henning Thiede
Andrew Rhodes Thomason
Andrew McCabe Wright
Everett Glenn Young

Class of 2013 Distinguished Scholars
Henry Adekule
Christian Agbaje
Beimnet Baissa
Lydia Ruth Baldwin
Benjamin James Berk
Amber Chanel Bowden
Allison Delaney Briggs
Elizabeth Mae Bullock
Dennis John Cahill
Allison Ann Campbell
Georgia Wood Cavanaugh
Joni Michelle Clayton
Teniola O. Coker
Paul Leonard Comer
Scott Thomas Cory
David Joseph Deerson
Timothy Miller Dement
Kevin Diao
Rebecca Mae Dunn
Emily Catherine Ellis
Kirsti Michelle Ference
Natasha Lopes Fischer
Suzanne Miriam Fleishman
Macy Lee Flinchum
William Keith Funkhouser
Samuel David George
Devin Falvey Gibbs
Gregory Dean Grissom
Katelyn Cristine Halldorson
Joshua Taylor Hancock
Raven Gabrielle Hartsfield
Kathryn Murphy Horn
Justin Kwang-Lay Huang
Samuel Kenneth Hughes
Connor Sean Irwin
Benjamin Scott Jackson
Thomas Michael Johnson
Rachel Ann Johnston

Monika Juzumaite
Christopher Kao
Lap-Ching Keung
Ian Sang-June Kim
Keethan Robert Kleiner
Kathryn Folger Knight
Michelle Chen Kuei
Jonathan S. Kylstra
Madeline Louise Lang
Hannah Gordon Leker
Lindsey Katherine Miller
Sean Alexander Myers
Sarbajeet Nagdas
Leah Chanise Neal
Julio Paredes
Kiley Brynne Pontrelli
Bess Rhoads Powell
Vikram Raisinghani
Benjamin Pickett Rardin
James P. Reid
Phoebe Mchugh Roer
Clark Newman Sanford
Paris Ciara Scott
Thomas Edward Seelinger
Annie Catherine Segal
Meredith Cobb Sherrod
Heather Sims
Vishavpreet Singh
Sarah Waters Smith
Eva Janet Stein
Kenille Renae Sumler
Cameron Blake Waters
Byron Reese Wells
Jonathan Emery White
Haoming Xu

College Fellows Scholars
Shelby Elyse Benson
Christopher Lee Cook
John Akins Daniels
Emily Ruth Keefer
Margaret Allyson McKinney

Josephus Daniels Scholars
Briana Lynn Jackowski
Shelby Jonathon Lake
Marshall C. Phillips
Michael Peter Ropero-Cartier

Fonville Advantage Scholar
Devin Mathis Cooney

Herbert Worth Jackson Scholars
Bryan Quinn Abadie
David Gu
Kelsey Satchel Kaul
Anna Beatrice Loewenthal
Kellyn Macmillan Platek

James M. Johnston Scholars
Thomas Edwin Bass
Jason Alexander Bastida
Shawn Boykin
Kristin Hali Brock
Andrew Curtis Burton
Andrew Richard Cooter
Nicholas Ian Cruise
Katherine Elisabeth Dill
Sarah Florian Genetti
Dylan James Greenleaf
Jennifer Arline Guerra
Stephanie Ann Jones
Kelly M. LeDoux
April Lee
Xiao Fu Liu
Elizabeth Caitlin Moroney
Marisa Paola Orbea
Jessica Leigh Parks
Nicholas Thomas Perfetto
William Patrick Rimer
Ricardo Lee Ruvio
James Curtis Sauls
Hannah Marie Smith
Stanley Shenghay Wong
Chaohui Yang
Seth Turner Zissette

James M. Johnston Graduate Nursing Scholars
Catherine Brocker
Margaret Page Campbell
Mallory Grey Conway
Erin Nicole De Guzman
Vibhaben Dholakia
Aino Linn Floderus
Amanda Gammon
Mary Trimigan Holmes
Molly Ann Leatherland
Kimberly Hansen Polonsky
Leeanne Coyle Poole
Hannah E. Schrum
Margaux Rose Simon

James M. Johnston Undergraduate Nursing Scholars
Colby Michelle Hollis
Andrew David Jimenez
Karley Elizabeth Saffer

Fred Morrison Scholars
Benjamin James Clarke
Holly Renee Harper
Wesley Allan Norman
Taylor Reade Oakley
Jared William Peacock

Old Well Scholar
Christopher Stewart Thomas

Herbert and Mayme Pegg Scholars
Sarah Katherine Chaisson
Nicholas Joseph Heerschap
Sarah Abigail Kaminer

Joseph E. Pogue Scholars
Kahlil Maceo Blount
Lucie Marie Bradshaw
Jamal Davon Brazan
Dalton Peter Brooks
Catherine Frances Dial
Clark Barksdale Farley
Garin Lee Hamilton-Jones
Kaneesha Shanique Henderson
Timelie Deshanna Horne
Jamal William Little
Jeremy Daniel Locklear
Denzel Wesley McCollum
Ridge Thomas Olivieri
Rita P. Phetmixay
Elena Marie Sanchez

Colonel John H. Robinson Scholars
Amari Jennifer Alexander
Alexandru Bacanu
David Lawrence Bencuya
David Andrew Chodosh
Adrienne Elise Dahrouge
Andrew Yi Guo
Kathryne Hollie Hawthorne
Thomas Colby Isabel
Emily Rachel Kulenkamp
Alisa Suzanne Mastro
Grace Elizabeth McDermott
Stephanie Grace McGowan
Jackclyn Elisa Ngo
Lucy Magnolia Owen
Shampa A. Panda
Camilla Sylvia Powierza
Isabelle Marie Riley
Jorge Guillermo Rossello
Kathryn M. Singsank
Benjamin David Stevenson
Brittany Renea Williams
Sophia Qing Xie
Amanda Lee Ziesemer

Caroline and Thomas Royster Scholars
Salena Aimee Brown
Derrick Wayne Kay
Brittany Nicole Tann

Marvin B. Smith Jr. Scholars
Lorelei Cardeau
Sin Yan Ki

William Whitaker Scholars
Michael Dwayne Davidson
William Lester Marion
Kyungjun Park
Thomas Spaventa
Zachary Tyler Vestal

GENERAL ALUMNI ASSOCIATION SCHOLARSHIPS

Douglas S. Dibbert Scholar
Kelly Ann Knowles

GAA Scholars
Florence Carnet Bryan
Catherine Frances Dial
Amanda Grace Shaw
Madeline Fay Sperling

Light on the Hill Scholarship
Julius Peppers Scholar
Brian James Harris

Light on the Hill Scholar
Matthew Drexel Biggers
Kaneesha Shanique Henderson
Chelsea Maria Jones
Chanel Danae Porter

MOREHEAD-CAIN SCHOLARS

Class of 2013
Margaret Elizabeth Anderson
William Johnston Barbour
Jonathan James Branch
Nina Sophia Bryce
Sarah Margaret Bufkin
Oswaldo Antonio Contreras
Seth Bachman Crabtree
Leah Rose Downey
Jason Allen Dunn
Ariel Christina Eure
Emmett Feldman Gilles
Marissa Rachael Gluck
Amanda Claire Grayson
Zealan Taylor Hoover
Molly Alexandra Hrudka
Sunny Chang Huang
Ryan Robert Jepson
Sarah Katherine Johnson
William Grant Johnston
Kelsey Michaela Jost-Creegan
Adam Jutha
Nayab Hasan Khan
Monisha Kumar
Audrey Ann Lavallee-Belanger
Michael Thomas Lawson
Todd Patrick Lewis
Charlotte Clement Lindemanis
Melissa Ashley-Marie Martinez
Logan Chambers Mauney
Jordan Elliot Meer
Rachel Maureen Myrick
Sarah Kathleen Osborne
Daniel Mark Peterson
Grace Stevens Phillips
Chelsea Erin Phipps
Oliver Brennan Rose
Lindsay Elizabeth Rosenfeld
Henry Laurence Ross
Philip Alexander Rouse
James Patrick Ryan
Raymond Donnell Sawyer
Tara Gayatri Seshan
Jacob Gerald Sharp
Austin Thomas Shaw
Emily Rebecca Sheppard
Kara Maria Simpson
Morgan Jane Skiperdene
Parris Matthew Smallwood
Ann Emmad Soltan
Joseph Moore Terrell
Robert Hudson Vincent
Cody Matthew Welton
Erika Mayfield Wesonga
Sloan Patrice Whiteside
Brendan John Yorke
Emily Frykman Zuehlke

* *Chancellor's Award*

ROBERTSON SCHOLARS

Class of 2013
Benjamin Carter Barge
Victoria D'Ereka Bennett
Jessica Taylor Broadus
Jared Andrew Ciervo
Travis James Crayton
Ivanna Cristina Gonzalez
Joseph Lawrence Holthaus
Antonio Marshant Jackson
Jeremy Bennett Knight
Elizabeth Anne Lynch
Jacob Marcus Lerner
Caitlin Elise Nettleton
Jagir Dushyant Patel
Alec Rubenstein
Yesenia Pedro Vicente
Lauren Winston

ROYSTER SOCIETY OF FELLOWS

Graduates for the 2012–2013 Academic Year
Lee Adcock, *History*
Brenda Baletti, *Geography*
Adamberage de Alwis, *Microbiology and Immunology*
Carrie Duncan, *Religious Studies*
Sherine El-Toukhy, *Journalism and Mass Communication*
Elizabeth Evans, *Human Movement Science*
Theresa Marie Forshey, *Biomedical Engineering*
Steven Michael Gaddis, *Sociology*
Kimberley Geissler, *Health Policy and Management*
Jin Hong Ha, *Journalism and Mass Communication*
Jonathan Hancock, *History*
Sara Hanson-Hedgecock, *Geological Sciences*
Kendra Heatwole Shank, *Occupational Science*
Matthew Horne, *Economics*
Ja Hyun Kang, *Nursing*
Bethany Kok, *Psychology*
Suprateek Kundu, *Biostatistics*
Steven Lewis, *Biochemistry and Biophysics*
Jilan Li, *Social Work*
Ward Lyles, *City and Regional Planning*
Lindsey Ward Lyles, *City and Regional Planning*
Bonnie Lyon, *Environmental Sciences and Engineering*
Derrick Matthews, *Health Behavior*
Margaret McCormick, *Cell and Molecular Physiology*
Jeffrey Muehlbauer, *Environment and Ecology*
Britton Newman, *Romance Languages and Literatures*
David Cooper Phillips, *Comparative Literature*
Elizabeth Robinson, *Classics*
Nora Rosenberg, *Epidemiology*
Jeanette Stingone, *Epidemiology*
Elizabeth Thill, *Classics*
Carmina Valle, *Nutrition*

Scholastic Honor Societies

GAMMA SIGMA ALPHA HONORARY SOCIETY

President: Margo Williams, *Sigma Sigma Sigma*

Spring 2013 Initiates
Kristin Athens, *Chi Omega*
Allison Bonner, *Sigma Sigma Sigma*
Samantha Cates, *Phi Beta Chi*
Lauren Clouse, *Sigma Sigma Sigma*
Joseph Fishel, *Delta Upsilon*
Michael Hourigan, *Sigma Chi*
Leslie Locklear, *Alpha Pi Omega*
Brinkley McNeill, *Sigma Sigma Sigma*
Meredith Nisbet, *Sigma Sigma Sigma*
William Overton, *Chi Psi*
Sagar Prabhu, *Delta Sigma Iota*
Anna Ramundo, *Alpha Delta Pi*
Raymond Sawyer, *Phi Beta Sigma Fraternity Inc.*
Elizabeth Turner, *Phi Beta Chi*
Alexander Webb, *Lambda Chi Alpha*
Everett Young, *Delta Kappa Epsilon*

Spring 2012 Initiates
Lacy Bedol, *Kappa Kappa Gamma*
Brianna Donabedian, *Phi Mu*
Marie Iannone, *Phi Mu*
Katherine Lyon, *Phi Mu*
Louise McGowin, *Phi Mu*
Elizabeth Monson, *Phi Mu*
Bess Powell, *Chi Omega*
Rachel Rhyne, *Phi Beta Chi*
Meredith Richmond, *Phi Mu*
Mary Scruggs, *Phi Mu*
London Snuggs, *Sigma Sigma Sigma*
Ashton Wainwright, *Chi Omega*

Fall 2011 Initiates
Charles Gage, *Lambda Chi Alpha*
Amanda Claire Grayson, *Alpha Delta Pi*
Stephanie Jernigan, *Sigma Sigma Sigma*
Sarah Johnson, *Zeta Tau Alpha*
Hailey Kessler, *Alpha Delta Pi*
Antoinette Newsome, *Delta Sigma Theta Sorority Inc.*
Nicole Pradel, *Phi Beta Chi*
Kathleen Quintana, *Zeta Tau Alpha*
Brittany Raia, *Zeta Tau Alpha*
Stephanie Shortino, *Phi Mu*
Victoria Tercilla, *Sigma Sigma Sigma*
Emma Tucker, *Sigma Sigma Sigma*
Madison Waller, *Alpha Delta Pi*
Hannah Webber, *Phi Mu*
Margot Williams, *Sigma Sigma Sigma*
Lauren Wines, *Phi Mu*

PHI BETA KAPPA

President: Travis Styres
Vice President: Emmett Gilles
Recording Secretary: Viet Quoc Nguyen

Fall 2011
Georgia Wood Cavanaugh
Roger Ruojie Fan
Charles Jeffrey Gage
Emmett F. Gilles
Laura Renee Hamrick
Kathryne Hollie Hawthorne
Joseph Harper Hodges
Michelle Mariko Ikoma
Philip Harrison James
Ning Lee
Alisa Suzanne Mastro
Logan Chambers Mauney
Zachary McCaw
Lindsey Katherine Miller
Sean Alexander Myers
Rachel Maureen Myrick
Kavya Sekar
Eva Janet Stein

Spring 2012
Caleb Paul Agnew
Joel Scott Anderson
Lauren Elizabeth Anderson
Sarah Anderson
Alejandro Antonia
Alexandru Bacanu
Andrew John Barbour
Justine M. Beres
Jamie Christine Berger
Surojit Biswas
Isabel Laurel Blue
Matthew R. Boulette
Jonathan James Branch
Sarah Margaret Bufkin
Andrew Chan
James Arlo Dennison
Robert Edward Edmiston
Steven Patrick Garbin
Sheila Marie Gaynor
Devin Falvey Gibbs
Matthew Bennet Givens
Keith Alan Glassbrook
Joseph Scott Goodwin
Matthew Ralph Goolsby
Gregory Grissom
Kim Jean-Yin Heh
Ellyn Henderson
Mattis Hennings
Alexandra Machel Henshaw
Caitlin Olson Hines
Zealan Taylor Hoover
Caline Kit-Lien Hou
Samuel Kenneth Hughes
Margaret L. Hunter
Ryan Robert Jepson
Rachel Johnston
Allison Kanner
Lap-Ching Keung
Asif Alam Khan
George Lawson Kuehnert
Michael Lawson
April Lee
William Douglas Leimenstoll
Sophie Liu
Rebecca Anne Malgeri
Russell John-Luke Maxwell
Rachel Elizabeth Hannah Mazzara
Charles McDonough
Jonathan Robert McGinnis
Anthony Joshua Meyer
Viet Khang Quoc Nguyen
Michael Jeffrey Oehler
Margaret Jane Patterson
Chelsea Phipps
Amanda Piltzer
Bess Rhoads Powell
Nicole Christine Pradel
Collin Mathew Price
April Heather Pullium
Advaita Punjala
Ruth Natalie Reed
Daniel Parker Richey
Henry Laurence Ross
Ariana Navarro Rowberry
Clark Newman Sanford
Cheryl Lee Schlitter
Shreena G. Shah
Paris Matthew Smallwood
Troy Smith
John Ashley Stemke
Travis Elizabeth Styres
Renee Tan Sullender
Jackson Bohannon Trotman
Robert Hudson Vincent
Alexa Michelle Waters
Lauren Elizabeth Wines
Qing Xie
Haoming Xu
Xingjian Yan
Jessie Weikang Zhang

Fall 2012
Amy Katherine Allen
Margaret Anderson
Claire Amanda Archer
Kahlil Maceo Blount
Thomas Hayden Brader
Nina Sophia Bryce
Joshua Kesse Burrows
Andrew Curtis Burton
Jessica Marie Caamano
Seung Samuel Choi

Shalini L. Chudasama
Veronica Yve Clark
Daniel F. Ramirez Contreras
Matthew Lewis Clinton Cox
Connor Harris Crews
Zachary Taylor Cross
Hayley Julia Crowell
Michael Alexander Deigan
Kevin Diao
Stephanie Manisha Doctor
Leah Rose Ely Downey
Jennifer Leigh Dutton
Bryan John Dworak
Casey D. Errante
Henry Washburn Evans
Hayley Fahey
Evan Michael Farina
Alvera Antonette Marie Feeny
Rocco Giamatteo
Michael Lee Giordano
Keren Hadas Goldshlager
Mary Ellen Goode
Maggie Elizabeth Grossman
Michael J. Guarino
Emma Harver
Andrew Timothy Heil
Matthew Adam Hodges
Brent Blackwell Hoffman
Harrison Taylor Holbrook
Ian Sang-June Kim
Kelly Ann Knowles
Hugh S. Koeze
Jessica Brooke Koontz
Jonathan Schuyler Kylstra
James Wilson Lancaster
Matthew Nathan Levy
Michelle Christine Lewis
Robert Hollinshead Long
Alexander Daniel Loyal
Stephanie G. McGowan
Katherine McIlwain
Paul Thomas McIntosh
Katherine Lynn Meyer
Ethan Francis Miller
Morgan Elizabeth Moore
Remi Shay Moore
Matthew Christopher Moran
Elizabeth Caitlin Moroney
Alexander Thomas Arthur Myers
Jacqueline Wynne Nichols
Rachel Lynne Olsen
Lauren Marie Oswald
Malaika E. Pacqué
Jagir Dushyant Patel
Paula Erika Peroutka
Kathleen Marie Quintana
Kalyan Rao
Katrina Anne Reynolds
Rachel Christine Rowe
Rebekah Kristina Rust
Christopher Adam Scanzoni
Victoria Lauren Seiple
Katherine Brooke Shaffer
Austin Shaw
Alexandra Hill Snedeker
Elizabeth Dupree Stephenson
Kyle Michael Swartz
Joseph Moore Terrell
Justin Allen Thatch
Erik Henning Thiede
Alexandra Slonim Vitek
Jillian Hannah Vogel
Nathan Michael Vos
Patrick Lee Waivers
Samuel Joseph Wascher
Katherine Marie Watkins
Trent L. Wei
Mary Katherine Weinel
Elizabeth Mariah Willis
Brooke Nichole Wolford
Jenna Leigh Wood
Melissa Wrzesien
Everett Glenn Young

Spring 2013
Jordan Elizabeth Abourjilie
Glenn David Baird
Leslie Blake
Elizabeth Mae Bullock
Jessica Leigh Cagle
Isabella Cummings Cassell
Nora Stephanie Chan
Timothy Miller Dement
Jason Allen Dunn
Emily Catherine Ellis
Elizabeth Cope Feurer
Kathryn Ann Fogartie
Emily Joyce Graybeal
Brian Michael Gregory
Katelyn Cristine Halldorson
Rachel MacIver Hicks
Maxwell Hanson Holder
Hillary Ann Hollowood
Marvin Anthony House
Sarah Katherine Johnson
William Grant Johnston
Daniel Louis Jones
Darrius Spencer Jones
Hope Julia Kerr-Read
Hailey Janes Kessler
Nayab Hasan Khan
Helene Eugenie Kirschke-Schwartz
Christian Bradford Kohlmann
Emily Allison Lamb
Audrey Ann Lavalleé
Charlotte Clement Lindemanis
Olivia Laidlaw Mahony
Andrew Paul Matthews
Sarah Elizabeth Mayo
Mariah Moore
John C. Muhs
Jeremy Ominde Osir
Lauren Elisabeth Page
Catharine Gerda Parker
Katherine Elizabeth Penley
Sarah Madison Powers
William Rimer
Lindsay Rosenfeld
Annie Catherine Segal
Aliza Rose Sir
Philip Melanethon Snyder V
Chelsea Elizabeth Steele
Sydney Ellen Stegall
Madison Averi Swofford
Mackenzie Rae Thomas
Michelle Marie Thompson
Galen K. Tsun
Margot Maryanne Williams
William Terrell Wright
Brendan John Yorke

Honorary Societies

NATIONAL RESIDENCE HALL HONORARY

*Robert White Linker Award**
Jennifer Leigh Bingham

Officers
President: Jennifer Leigh Bingham
Vice President and Public Relations Chair: Andrea L. Pino
Executive Administrator: Kayla Lynn Baker
Recognition Chair: Chuchitra Thanigaivasan
Service Chair: Di An
Fundraising Chair: Shamit Shailesh Prabhu
Conference Chair: Alisha Marlene Gardner

2012–2013 Initiates
Imani Baucom
Chemaria Michelle Beatty
Erin Lucille Blaser
Benjamin Marcel Blue
Heather Burke
Kevin Tajhi Claybren
Christopher Cunningham
Adam Danley
William Duncan
Joseph Albert DeRusso
Caroline Scalera Gott
Sloan Harrill
Becky Jepson
Caitlyn Samantha Kendrick
Dave Michael Khrakosky
Sarah Marie McCauley
Daira Belen Melendez
Brian Min
Satya Nikhil Polisetti
Maddie Paige Poole
Shamit Shailesh Prabhu
Angelica Rankins
Kinsey Richardson
Ajene Nicar Robinson-Burris
Eleisheia Joy Sawyer
Shaneequa Shyrier
Jesse Sykes
Hartley Sanders Tempest
Linran Zhou

ORDER OF OMEGA

President: Mary Scruggs, *Phi Mu*
Vice President: Brooke Wolford, *Phi Beta Chi*
Secretary: Brianna Donabedian, *Phi Mu*
Treasurer: Madison Waller, *Alpha Delta Pi*

Spring 2013 Initiates
Blake Aiken, *Pi Kappa Phi*
Marquette Brunson, *Pi Beta Phi*
Nico Garces, *Lambda Upsilon Lambda*
Amanda Claire Grayson, *Alpha Delta Pi*
Abby Halpern, *Kappa Delta*
Kristen Johnson, *Alpha Kappa Alpha Sorority Inc.*
Calyssa Lawyer, *Alpha Kappa Alpha Sorority Inc.*
Sarah Mafe, *Delta Sigma Theta Sorority Inc.*
Jack Partain, *Sigma Chi*
Allyson Riley, *Alpha Delta Pi*
Raymond Sawyer, *Phi Beta Sigma Fraternity Inc.*
Rachel Stone, *Alpha Chi Omega*
Colin Sullivan, *Sigma Phi Epsilon*
Everett Young, *Delta Kappa Epsilon*

Fall 2012 Initiates
Lacy Bedol, *Kappa Kappa Gamma*
William Hope, *Delta Sigma Phi*
Johnathan Hurley, *Delta Sigma Phi*
Marie Iannone, *Phi Mu*
Waverly Rose Lynch, *Pi Beta Phi*
Lindsay Peele, *Phi Mu*
Margot Williams, *Sigma Sigma Sigma*

Spring 2012 Initiates
Allison Bonner, *Sigma Sigma Sigma*
Rachel Calhoun, *Chi Omega*
Lauren Clouse, *Sigma Sigma Sigma*
Rebecca Dayton, *Sigma Sigma Sigma*
Brianna Donabedian, *Phi Mu*
Amber Emerson, *Sigma Sigma Sigma*
Brennan Fox, *Sigma Chi*
Jessica Grieger, *Sigma Sigma Sigma*
Allie Hodges, *Sigma Sigma Sigma*
Elizabeth Jang, *Phi Beta Chi*
Hailey Kessler, *Alpha Delta Pi*
Madeline Lang, *Phi Mu*
Leah McCann, *Phi Mu*
Louise McGowin, *Phi Mu*
Antoinette Chanel Newsome, *Delta Sigma Theta Sorority Inc.*

* *Chancellor's Award*

Kelly Heath Olesiuk, *Pi Beta Phi*
Nicole Pradel, *Phi Beta Chi*
Crystal Randles, *Sigma Sigma Sigma*
Rachel Rhyne, *Phi Beta Chi*
James Patrick Ryan, *Pi Kappa Phi*
Mary Scruggs, *Phi Mu*
London Snuggs, *Sigma Sigma Sigma*
Elizabeth Turner, *Phi Beta Chi*
Ashton Wainwright, *Chi Omega*
Madison Waller, *Alpha Delta Pi*
Jeffrey White, *Sigma Phi Epsilon*

Fall 2011 Initiates
Amarachi Anakaraonye, *Alpha Kappa Alpha Sorority Inc.*
Nora Catherine Blalock, *Sigma Sigma Sigma*
Margaret Cobb, *Delta Delta Delta*
Ashley Farlow, *Phi Mu*
Emily Freeman, *Alpha Delta Pi*
Charles Gage, *Lambda Chi Alpha*
Sarah Genetti, *Pi Beta Phi*
Oscar Gomez, *Lambda Upsilon Lambda*
Abby Harrill, *Alpha Delta Pi*
Mary Rebecca Hendrix, *Sigma Sigma Sigma*
Holly Holbrook, *Phi Beta Chi*
Thomas Xavier Kenna, *Delta Kappa Epsilon*
Alexandra Kong, *Kappa Kappa Gamma*
Leslie Anne Locklear, *Alpha Pi Omega*
Forrest Petterson, *Sigma Sigma Sigma*
Bess Powell, *Chi Omega*
Meredith Richmond, *Phi Mu*
Stephanie Shortino, *Phi Mu*
Joseph M. Swindle, *Kappa Alpha Order*
Michelle Thompson, *Kappa Kappa Gamma*
Megan Warren, *Kappa Kappa Gamma*
Andrew Williams, *Delta Upsilon*
Lauren Winston, *Alpha Kappa Alpha Sorority Inc.*
Brooke Wolford, *Phi Beta Chi*

ORDER OF THE BELL TOWER

President: Joseph Albert DeRusso IV
Vice President: Jonathan Michael Ogrodnick
Secretary: Gayatri Surendranathan
Member at Large: Yusra Shaukat Iftikhar
Alumni Relations Director: Akilah Monet Ffriend
Current Students Director: Brittany Ann Reeves
Future Students Director: Blake Michael Falk
Public Relations Co-Director: Tanisha Marie Edwards
Public Relations Co-Director: South Alexander Moore
True Blue Director: Joshua Alexander Carmenate

Fall 2012 Initiates
Caitlin Suzanne Armstrong
Adeline Elise Dorough
Tiffany Michelle Eden
Melissa Fluke
Samantha Rose Forlenza
Robert Jacoby Isley
Matthew S. Kelly
Amanda Kelly Lee
Jordan Elise Lem
Joseph Rayfield Level III
Evan Christian Lumbra
Nicholaus Mills
Landon David Sherwood
Ashley Monique Spruill
Andrew Stowe
Charles Love Talmadge

Members
Bryan Quinn Abadie
Pendleton Clark Agnew Jr.
Claire Amanda Archer
Caitlin Suzanne Armstrong
Amy Bell
George Montgomery Cleland V
Sarah Whiting Cooley
Lindsay Amanda Creech
Connor Harris Crews
William Henry Duncan IV
Radhika Haresh Ghodasara
Andrew Joseph Grillo
Amanda Lindsay Gurkin
Samantha Kelsey Halle
Abby Caroline Harrill
Brooke Ashley Hill
Tyler Franklin Horne
Marshall Gregory Hubert
Maxwell F. Huelster
Thomas Spencer Mann
Scott Parker Nelson
Grace Elizabeth Peter
Bret W. Robinson
John Henry Samuels
Sachin Lakshman Santanam
Landon David Sherwood
Jefferson Keith Sinclair III
Hannah Smith
Amandla Stanley
Bryant Braswell Teal II
Abigail Terkeltoub
Andrew David Williams

Bell Tower Award
Joseph Albert DeRusso IV

Ray Jefferies Award
Jefferson Keith Sinclair

Outstanding New Member
Adeline Elise Dorough

Laurie Norman Award
South Alexander Moore

Outstanding Senior
Blake Michael Falk

ORDER OF THE GOLDEN FLEECE

2012–2013 Inductees
Jason: Joseph Terrell
Hyparchos: Hudson Vincent
Crystopher: Tia Davis
Grammateus: Richard Drehoff
Zaina Alsous
Santiago Beltran
Rachel Myrick
Mackenzie Thomas

2013 Inductees
Natalie Borrego
Patrick Carney
Kevin Claybren
Jonathan Cooper
Alexis Davis
Emma DeWitt
Dane Emmerling
Theresa Flores
Lauren Friedmann
Ivanna Gonzalez
Krista Gross
Justin Harlow
Averi Harper
Matt Hickson
Alex Karsten
Will Leimenstoll
AC Locklear
Meghan Lyons
Russell Maxwell
Camille McGirt
Jagir Patel
George Ramsay
J. Elliot Robinson
Madhu Vulimiri

ORDER OF THE GRAIL-VALKYRIES

Mary Hunter Benton
Abigail Elizabeth Bouchon
Sarah Bufkin
Tia Davis
Richard Drehoff
Jason Allen Dunn
Emmett Gilles
Amanda Claire Grayson
Abby Lynn Halpern
Joseph Holthaus
Zealan Hoover
George Lawson Kuehnert
Rachel Myrick

School Awards

The Kenan-Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

Delta Sigma Pi Scholarship Key
Benjamin David Stevenson

Undergraduate Business Class of 2013 Honors Candidates
Monisha Kumar
Payal Pratik Nanavati
Vikram Raisinghani
Sai Kalyan Chakrava Rao
Lance Michael Ravenscraft
Jocelyn Ann Ruark

Undergraduate Business Excellence in Finance Award
John P. Morgan

Undergraduate Business Excellence in Operations Management Award
Shannan Rae Twomey

Undergraduate Business Excellence in Organizational Management Award
Lucas De Andrade Mavromatis

Undergraduate Business Excellence in Marketing Award
Joni Michelle Clayton

Undergraduate Business Excellence in Strategic Management Award
Yifei Zhang

Undergraduate Business Excellence in Entrepreneurship Award
Seth Bachman Crabtree

Undergraduate Business Excellence in International Business Award
Marissa Anne Weiss

Undergraduate Business Excellence in Management Communication Award
Matthew Spencer Burton

Honorable Mention for Undergraduate Business Leadership and Service
Victoria Lizette Aldana
Jerry Donta Bowens
Joni Michelle Clayton
Heather Nicole Engel

Jessica Leigh Hetzel
Joseph Harper Hodges IV
Lucas De Andrade Mavromatis
Leena Patel
Jocelyn Ann Ruark
Tate Alexander Sisk
Colin Paul Sullivan
Teon Jamal Watson

Undergraduate Business Student Association Award for Club Leadership
Kristen Leigh Brews

27th Annual Undergraduate Symposium Core Planning Committee
Rob Boland
Elizabeth Buoyer
Chris Carr
Davis Cox
Raven Hartsfield
Marie Iannone
Kara Jongkind
Peter McArthur
Rachel McFadden
Dan Morgenstern
Amee Shrimanker
Rachel Williams

2012 Undergraduate Symposium Service Award
Davis Maxton Cox
Amee H. Shrimanker

Jimmy Garrell–Tabor City Award for Excellence in Community Service
Michael Craig Hornsby Jr.

Jimmy Garrell–Tabor City Award for Excellence in Leadership
Raven Gabrielle Hartsfield

GLOBE Class of 2013
Mohammed Shahrukh Agha
Victoria Lizette Aldana
Timothy Milon Armstrong
Joshua A. Carmenate
Alfredo Isaac Garcia
Sunny Huang
Kristine Leary
Sarika L. Mendu
Daniel Mark Peterson
Jocelyn Ann Ruark
Benjamin David Stevenson
Xiangying Wu
Yifei Zhang
Charles Zheng

*The 2013 Hampton Shuping Prize**
Abby Caroline Harrill

Kenan Institute Leadership Fellows
Monisha Kumar
Lindsay Prescott Newman

UNDERGRADUATE BUSINESS MERITORIOUS SCHOLARSHIPS 2012–2013

BSBA Assured Admit Scholarship
Amanda Gurkin
Allison Hill
Kaitlin Williams
George Zhao

John Duke Baldridge Jr. Scholarship
Erin Bishop
Chris Flesher
Rachel Greenberg
Mack Evans McCaul III
Houston McCurry
Kyle Richardville

Carl and Janice Brown Preferred BSBA Scholarship (for pre-admits)
Evan Benkert
May Chang
Brad Heshmaty
Alexa McClain

Carl and Janice Brown Upperclass Academic Scholarship Fund
Michael Sutton Alford
Matthew Burton
Kristen Busby
Samer Khatib
Neel Patel
Burke Roper
Trisha Turlington

Eric Windsor and Jessamine Brown Cass Undergraduate Scholarships
Amy Bell
Ciaran Bermingham
Breanna Blaney
Brittany Buxton
Jamal Davis
Vincent DeSio
Breanna Harris
Jay Hoyme
Elizabeth Hunter
Kailyn Mangrum
Mack Evans McCaul III
Martina Molinari
Paige Owens
Kalyan Rao
Meredith Reynolds
John Raphael Rodrigo Jr.
Charles Shapiro
Laura Shintay
Noah Stang
Junfu Tang
Michael Touloupas
Nikhil Wadhavkar
Warren Wyatt

Wayland H. Cato Jr. Leadership Scholars
Parag Satsangi

James Wilford Clark Jr. Undergraduate Scholarship
Joseph Hodges
Amee Shrimanker

The William G. Daughtridge Jr. Study Abroad Fund
Anna Gustines
Matthew Rothstein
Chi Zhang

Marion Dixon BSBA Scholarship Fund
Hunter Gray
Aleksander Seymore
Dawn Wages

Wade S. Dunbar Jr. Undergraduate Scholarship
Alexander Beale
Eric Bukovac
Daniel Morgenstern
Katherine Rusk
David Walden
Frank Wu
Aimee Xu

Edmister Family Fund
Bradley Dunn
Zackeria Haidary

Ewing Schleeter Harris BSBA Scholarship
Tim Armstrong
Eric Bukovac
Joshua Carmenate
Joni Clayton
Michael Hornsby
Haoyang Huang
William McCormick
Kalyan Rao
Zach Sarnoff
Felix Zhang

Global BSBA Scholarship
CeeCee Obi-Gwacham
Melissa Swope

The Bob and Mindy Jones Family Global Immersion Fund
Jacob Baldwin
Maegan Becker
Matthew Hurley
Austin Powell
Edwin Yun

James K. McLean Scholarship Fund
Zachary Alexander
Jihoon Baek
Ashley Bowser
Rachel Brown
Michael Cash
John Caudle
Shalini Chudasama
Roberto Diaz
Kenneth Hamilton
Tabatha Horney
Akhil Jariwala
Samuel Jones
Robert Michael Kennedy
Hilary Kritz
Christie Lainez
Meredith Magjuka
Jessica McAdaragh
Laura Montes
Eric Nelson
Robert Nicholson
Alexa Oyague
Lauren Papes
Sheev Patidar
Sarah Pellegrino
Lauren-Kristine Pryzant
Danny Richey
Hailey Salito
Amy Schwartz
Xuzhe Shen
Ashleigh Smith
Elise Smith
Wen Wu
Byung Yun
George Zhao
Lucille Zhong

The McMichael Family Study Abroad Scholarship
Zachary Alexander
Jihoon Baek
John Caudle
Shalini Chudasama
Andrew Grillo

Medlin Scholarship for Business and Liberal Arts
Daniel Allen
Katherine Bernstein
Rachel Brown
Michael Cash
Ulugbek Ergashev
Katyayani Jhaveri
Robert Michael Kennedy
Samer Khatib
Rahul Lakhwani
Zachary Maniloff
Mack Evans McCaul III
Adam Meffert
Sheev Patidar
Sarah Pellegrino
Renee Psenka
Chandralekha Ravichandran
Kyle Richardville
Megan Salvia

* *Chancellor's Award*

Sabrina Saunders
Xuzhe Shen
Emily Thompson
Elizabeth Kelley Thorne

David S. and Christine C. Moss Scholarship
Leena Patel

Thomas Hart Norwood Scholarship
Heather Engel

Michael J. Peterson Scholarship
Graham Hunt
Brandon Peterson
Erika Reynolds

The June and L. Gordon Pfefferkorn Jr. BSBA Study
William Duncan
Sean Pierre
Devin Reasons

G. Martin Poole Study Abroad Endowment
Julie Moroney
Hector Pureco

The March Floyd Riddle Family UNC Kenan-Flagler BSBA Scholarship Fund
Tierra Simmons

The Barry Roberts International Fund
Erin Elizabeth Bishop
Hunter Gray
Taylor Spallino

Edmund B. Ross III BSBA Endowment
Marissa Barbalato
Samantha Brookshire
Parker Draughon
Shane Goronkin
Cort Hastings
Alice Huang
Cole Johnson
Christopher Jones
Allison Kirchhofer
Emily Kosmala
Andrew Kyeremeh
Hunter Latimer
Evan Lumbra
Kelly Macdevette
Roderick Majette
Trey Perry
Joseph Skavroneck
Amanda Stewart
Benjamin Wetherby
Ida Valentine
Tracy Winston
Warren Wyatt
Sarah Xie

E. Jackson Sapp Scholarship
Stephen Deal
Erica Song
Erin Sturgess

Bob and Teresa Scheppegrell BSBA Study Abroad Expendable Fund
Cassandra Pezza
David Prieto
Kelsey Smith

Hampton Shuping Fund
Abby Harrill

Frank and Shelayne Sutton BSBA Excellence Fund
Christopher Flesher
Chase Furr
Austin Hurwitz
Jeremy Miller
William Weidman
Andrew Wood

The Helen Craig Wardlaw Fund
Claire Biernacki
Yier Cao
Samantha Chieng
Heather Engel
Chris Flesher
Xinzi Gong
Rachel Greenberg
Raven Hartsfield
Kristen Jones
Zhujun Liang
Yuxin Liu
Yukai Ni
Chandralekha Ravichandran
Sarah Stanley
Kelly Sweeney
Sarah Torp
Shannan Twomey
Marissa Weiss
Kaitlin Williams
HuiHui Wu
Ruopiao Xu

The Edwina D. Woodbury Women in Business Endowment
Kelly Sweeney
Kaitlin Williams

The School of Dentistry

Omicron Kappa Upsilon National Dental Honor Society 2013 Initiates
Erica Renee Findley
Julie Marie Freeman
Matthew Philip Gidaly
Si On Lim
Holly Linn Parsons
Andrew Ryan Pernell
Stephanie Means Price
Jason Conrad Strein
Travis Joe Whitley

Sigma Phi Alpha National Dental Hygiene Honor Society 2013 Initiates
Katherine Diann Beyer
Kristen Cullipher
Morgan Alise Ezzell
Jennifer Blair Harmon
Brittney Wilkin Holbein

The School of Education

Mayo and Norma Bundy Scholarship
Joseph L. Shelley

Gail Bunn Fellows
Katherine Dana Fischetti
John Henry Samuels

Patrick and Janet Carlton Award for Dissertation Research in Educational Leadership
Jerry Wayne Buckner

Frank Comfort Scholarship
Beimnet Baissa

Robert Wendell Eaves Scholarship
Amber Nicole Fischer

Susan Friel Graduate Student Stipend for Mathematics Education
Yanjun Liu

Galassi-Brown Award
Brian Franklin Woodard

Virginia Carter Goebbel Graduate Student Award
Nicholas Kirby
Katrina A. Massey

Graduate School One Year Merit Assistantship
Danielle Joi Allen
David Morris Buff
Stephanie C. Konle
Allison Beth Weinstein

Vinnie Ireland Fellowship
Susan H. Hedges

Kappa Delta Pi International Honor Society
Laura Elizabeth Davis
Julie Danielle Doran
Gabrielle Fernandez
Benjamin Hurst
Amy M. Ivin
Kimerleigh Sabrina Lowery
Christina Mari Marsicano
Meredith Pendry
Erica Roberson Phillips
Jordan McKenna Rhoney
Kelly E. Tessitore
Brittany Shea Thomas

Willie Hall Kennedy Scholarship
Sarah Kathleen Broadwell

Carol and William Malloy Conference Travel Award
Naa Dede Addy
Marios Antoniou
Sheena R. Berry
Brooke Cherieth Midkiff
Summer Melody Pennell
Omar Robert Simpson
Adrienne Nikole Villagomez

Alan Coningsby Moore Scholarship
Ciarán Rea Harris

Nancy Blanche Norman
Camila Oliveira Dossantos

Carol Mathews Peeler Scholarship
Rochelle Joi Maignan

W.D. Perry Outstanding Student in School Counseling
Raelene Miller Daley
Jennifer Ellen Kolb

James B. and Susan H. Pittleman
Cristin Montalbano

Susan Redd Scholarship
Sarah Katherine Carithers

Carole and Sam Roebuck Scholarship
Courtney Andrews Clapp
Rochelle Joi Maignan

William Self Graduate Fellowship
Mark Andrew Johnson

Dean E. Smith Scholarship
Kay Cee Butcher
Kate Nicole Gooden
Erin Nicole Lieder
Lindsey Michelle Patterson
Jordan Sherrill Stokes

The School of Government

Public Administration Program

Nanette V. Mengel Communications Award
Daniel Baird

Deil S. Wright Capstone Paper Award
Mattie Sue Stevens

The Graduate School

2013 Dean's Distinguished Dissertation Award
Steven Michael Gaddis, *Sociology*
Ryan Gessner, *Biomedical Engineering*
Sean Gregory, *Microbiology and Immunology*
Ricky Law, *History*

*The Boka W. Hadzija Graduate Award for Distinguished Service**
Stephanie Lynnette Baker, *Health Behavior, School of Public Health*

GEAB Impact Awards for Graduate and Professional Students: Outstanding Research Benefiting the State of North Carolina
Lorraine Ahearn, *Journalism and Mass Communication*
John Paul Balmonte, *Marine Sciences*
Rebecca Bauer, *Toxicology*
Will Boone, *Musicology*
James Byrne, *Pharmaceutical Sciences*
Liheng Cai, *Applied Sciences and Engineering*
Joey Crosswell, *Environmental Sciences and Engineering*
Corey Cusack, *Neurobiology*
Rishi Desai, *Pharmaceutical Sciences*
Alison Doernberg, *Maternal and Child Health and Social Work*
Jennifer Donnally, *History*
Shellie Ellis, *Health Policy and Management*
Andrea Anton Gamazo, *Environment and Ecology*
Benjamin Goerger, *Human Movement Science*
Alexander Gorzalski, *Environmental Sciences and Engineering*
Adam Gracz, *Cell and Molecular Physiology*
Christine Hajdin, *Chemistry*
Dan Hertz, *Pharmaceutical Sciences*
Zachary Kerr, *Epidemiology*
Mary Kohn, *Linguistics*
Ashley Kranz, *Health Policy and Management*
Andy Lavender, *Chemistry*
Patricia Lenhart, *Cell and Molecular Physiology*
Lucia Leone, *Nutrition*
Amy Lerner, *Education*
Meghan Lewis, *Public Health Leadership*
Ward Lyles, *City and Regional Planning*
Kyle Messier, *Environmental Sciences and Engineering*
Jennifer Moss, *Health Behavior*
Maya Nadimpalli, *Environmental Sciences and Engineering*
Kevin Park, *City and Regional Planning*
Eliza Peterson, *Biochemistry and Biophysics*
Andrea Richardson, *Nutrition*
Reid Roberts, *Microbiology and Immunology*
Alison Sanders, *Environmental Sciences and Engineering*
Jessica Sorrentino, *Toxicology*
Anisha Steephen, *City and Regional Planning*
Jasmine Talameh, *Pharmaceutical Sciences*
Bethany Walton, *Pathology*
Alyssa Wittenborn, *City and Regional Planning*

Graduate and Professional Student Federation Officers
President: Michael Bertucci
Vice President of Internal Affairs: Julie Lauffenburger
Vice President of External Affairs: Kiran Bhardwaj
Treasurer: JoEllen McBride
Secretary: James Grinias
Chief of Staff: Nicole Zane

The School of Information and Library Science

ALISE Annual Conference, 2011 – Third Place in the Jean Tague Sutcliffe Doctoral Student Research Poster Competition
Dana Hanson-Baldauf

Art Libraries Society/South East Professional Development Travel Award
Olivia Miller

Lester Asheim Service Award
Dana Hanson-Baldauf
Derek Rodriguez

ASIS&T Thomson Reuters Doctoral Dissertation Proposal Scholarship Finalist
Derek Rodriguez

Robert F. Asleson Memorial ALA Conference Grant
Nicole Lehotsky

Association for Business Communication Student Writing Contest – First Place
Kristen Brews

Association of North Carolina Health and Science Libraries Continuing Education Scholarship Travel Award
Karen McElfresh

Baker & Taylor Scholarship Summer Seminar to Prague
Allyson Smally

Beta Phi Mu Scholarship Award Epsilon Chapter
Mary Courtney Bailey

Beyond the Deficit Model: Gender Schemas, Computing, Preferences, and IT Career Choices – National Science Foundation Grant – Research Assistantship
Amanda Hitson

Brooks McNamara Performing Arts Librarian Scholarship
Lisbeth Wells-Pratt

Building a Bridge to Literacy for African American Male Youth: A Call to Action for the Library Community – Institute of Museum and Library Services Grant – Research Assistantship
Amanda Hitson

Lisa Burmeister Computer and Information Science Fellowship
Rebecca Whaples

Carnegie Research Grant
Megan England
Olivia Miller
Jane Smith

Carolina Academic Library Associate (CALA) Travel Grant to Music Library Association
Chris Holden

Elfredo Chatman Research Award
Megan England
Danielle Fasig

Closing the Digital Curation Gap – Research Project Manager/Assistant
Mary Courtney Bailey

Dryad Digital Repository Research Assistantship
Jane Smith

Friends of the Carrboro Branch Library Scholarship Award
Kate Budries

Graduate and Professional Student Federation Travel Award
Shea Christopher Swauger

Andy and Cindi Griffith Scholarship
Kristen Brews

Kathleen McNiece Moore Fellowship
Kate Barr
Megan England

LEARN NC Assistantship
Melissa Harden

LEND Fellowship – Carolina Institute for Developmental Disabilities, UNC–Chapel Hill
Dana Hanson-Baldauf

Library of Congress Internship
Jane Smith

Library Work with Children and Young Adults
Allison Dixon

LOEX Minority Scholarship 2013 award
Dani Brecher

Louis Round Wilson Fellowship
Rebecca Whaples

Mid Atlantic Chapter of the Medical Library Association (MAC-MLA) Student Vision Scholarship for 2011 MAC-MLA Conference
Karen McElfresh

Mid Atlantic Chapter of the Medical Library Association (MAC-MLA) Student Vision Scholarship for 2012 MLA Quad Meeting
Karen McElfresh

Margaret Ellen Kolp Memorial Fellowship
Kelsey Bartiss
Danielle Reynolds Brooks
Lindsay Conway
Beth DeBold
Dana Hanson-Baldauf
Melissa L. Harden
Nicole Lehotsky
Sara Mannheimer
Jennifer Martin
Karen McElfresh
Katie Meyer

* *Chancellor's Award*

Olivia Miller
Matthew Poland
Allyson Smally
Jaycie Vos
Rebecca Whaples

Michael Hooker Fellowship in Applied Networking
Leondra E. Edwards

Order of the Omega Honor Society and Golden Key International
Louise McGowin

Palantir Scholarship for Women in Technology
Katie Hawthorne

Phillips Ambassadors Scholarship
Kristen Brews

R. B. House Undergraduate Library Reference and Instruction, Research Assistant
Megan Heather Slemons

School of Information and Library Science Departmental Fellowship
Sarah Arnold
Eileen Liu
Jane Smith

School of Information and Library Science Metadata Research Center Assistantship
Jane Smith

Square's Code Camp Scholarship
Katie Hawthorne

Susan Grey Akers Fellowship
Mary Courtney Bailey
Kate Fletcher
Bryan Gaston
Rebecca Whaples

Susan Steinfirst/Gene Story Scholarship
Kate Barr
Megan England

UNC Graduate Future Faculty Award
Dana Hanson-Baldauf

UNC Graduate School Mentor Award with the Howard Hughes Medical Institute Future Teachers
Sarah Arnold

UNC Information Science Fellowship
Megan Heather Slemons

UNC University Research Day, 2010 – First Place in the Social Science Category for Poster Presentation on Dissertation Research
Dana Hanson-Baldauf

U.S. Environmental Protection Agency Internship
Alexander Carroll
Joshua Love
Jason Reed
Lisbeth Wells-Pratt

Web Archiving Cooperative Summer Workshop Travel Award in Palo Alto, CA
Sara Mannheimer

YALSA Young Adult Literature Symposium Student Travel Stipend
Megan England

The School of Journalism and Mass Communication

John B. Adams Award for Excellence in Mass Communication Law
Liz Woolery

AT&T Business Journalism Internship Award
Emily Freeman

Jim Batten Community Newspaper Internship
Leslie Ann Blake

Rich Beckman Documentary Multimedia Storytelling Award
Ligiaya Romero

Furman Bisher Medal
Kelly Parsons

John Robert Bittner Award to the Outstanding Graduating Senior in Electronic Communication
Will Rimer

Canaday Award
Breeze Riley

Robin Clark Experience
Chelsey Dulaney

William Francis Clingman Jr. Ethics Award
Caitlin Kleiboer
Nick Shchetko
Meghan Sobel

O. J. "Skipper" Coffin Award to the Outstanding Graduating Senior in News-Editorial Journalism
Alex Barinka

Lois and H. C. Cranford Jr. Award to the Outstanding Graduating Senior in Public Relations
Caroline Land

John L. Greene Award
Mike Rodriguez

Edward Jackson International Scholarship
Emily Rhyne

Larry and Carolyn Keith Awards in Sports Journalism
Brooke Pryor

Norval Neil Luxon Prize for Scholarship to the Graduating Senior with the Highest Grade-Point Average
Katherine Shaffer

Norval Neil Luxon Prize for Scholarship to the Junior with the Highest Grade-Point Average
Sarah Rutherford

Jeff MacNelly Award
Chelsey Dulaney

Maxwell Graduate Scholarship in Medical Journalism
Courtni Kopietz

Joseph L. Morrison Award for Excellence in Journalism History
Lorraine Ahearn

James J. Mullen Award to the Outstanding Graduating Senior in Advertising
Sofia Morales

North Carolina Medical Society Foundation Medical Journalism Award
Holly West

Outstanding M.A. Graduate
John Remensperger

Outstanding Ph.D. Graduate
Jessica Gail Myrick

Carol Reuss Award (Master's)
Scott McBride

Carol Reuss Award (Ph.D.)
Jinhong Ha

Eugene L. Roberts Jr. Prize
Jennifer Surane

Minnie S. and Eli A. Rubinstein Research Award
Jinhong Ha
Jessica Gail Myrick
Ryan Rogers

Stuart Sechriest Award to the Outstanding Graduating Senior in Visual Communication
Julia Wall

Chuck Stone Award
Elizabeth Mendoza

Jim and Pat Thacker Sports Communication Internship
Sydney Harris

M. S. Van Hecke Award
Emily Freeman
Caitlin McCabe

Tom Wicker Scholarship
Nick Shchetko

Earl Wynn Broadcast Award
Averi Harper

SCHOLARSHIP RECIPIENTS

Floyd Alford Jr. Scholarship
Alexis M. Simmons

Phillip Alston Scholarship
Ashley L. Roddy

Tom Bost Scholarship
Madison R. Way

Tom Bowers Scholarship
Lauren R. Mayfield
Amelia L. Nitz

Diane Harvey Bradley Scholarship
Nicole Comparato

Rick Brewer Scholarship
Delia F. D'Ambra
Janelle N. Davis

John Albert Campbell III Scholarship
Catherine Tobin

ABC 11/Walt Disney Fund for Excellence
Brittany Hendricks
Anisah N. Jabar

Elton Casey Scholarship
Catherine Tobin

Ann Sawyer Cleland Scholarship
Lakin T. Garms

Ardis Cohoon Scholarship
Megan Carroll

Louis M. Connor Jr. Scholarships
Desere S. Cross
Brittany S. Darst

Kathryn M. Cronin Scholarship
Courtni Kopietz

Evelyn Y. Davis Scholarship
Caitlin McCabe
Jenny Surane
Masa Watanabe
Madeline Will

James Davis Scholarship
Amanda K. Albright

Robert Winchester Dodson Scholarship
Matthew R. Evangelisto

Reese Felts Scholarship
Caroline M. Pate
Kevin M. Uhrmacher
Kristi D. Walker

Westy Fenhagen Scholarship
Cynthia A. Betubiza
Daniela Madriz
Cruz M. Santibanez

Ameel Fisher Scholarships
Chelsey E. Dulaney
Kristina A. Redd

Mary Kathryn Forbes Scholarship
Karly E. Brooks

Victoria M. Gardner Scholarship
Viviana T. Bonilla-Lopez

Kays Gary Scholarship
Kristina C. Ball

Stephen Gates Scholarship
Brooke E. Pryor

Joy Gibson Scholarship
Xiaoxin Zhu

John W. Harden Scholarship
Mary P. Hanson

Charles Hauser Scholarship
Elizabeth G. Tew

Hoffman Award
Kathryne E. Hunter

Paul Green Houston Scholarship
Leslie A. Blake

James F. Hurley III Bicentennial Merit Scholarship
Marisa N. DiNovis
Caitlin N. Owens

Gene Jackson Scholarship
Avery R. Thompson

Glenn Kecver Scholarship
Olivia S. Hart

Knight Foundation Distinguished Journalism Scholarships
Chelsey E. Dulaney

Emma Lineberger Scholarship
Breeze N. Riley

Molly McKay Scholarship
Kristina C. Ball

C.A. "Pete" McKnight Scholarship
Brian H. Fanney

Edward Heywood Megson Scholarship
Avery R. Thompson

Quincy Sharpe Mills Scholarship
Chassity N. Bobbitt
Tanisha M. Edwards
Ari D. Hires
Wendy Lu

NC Black Publishers Scholarship
Alexis M. Simmons

North Carolina Press Association/North Carolina Press Services Scholarship
McKenzie L. Coey

Pfizer Medical Journalism Scholarship
Courtni Kopietz

Erwin Potts Scholarship
Ana C. Rocha

Peter Dewitt Pruden and Phyllis Harrill Pruden Scholarship
Megan L. Carroll
Shannon A. Coy
Catherine E. King
Alendra D. Mendoza

Bob Quincy Scholarship
Clarire F. McNeill
Samantha M. Harrington

Marjorie Usher Ragan Scholarship
Katherine M. McAnarney

A.C. Snow Scholarship
Deborah Strange

Stephenson-Biddix Scholarship
Kiara S. Palmer

Tucker Family Scholarship
Tyler M. Confroy

David Julian Whichard Scholarship
Melissa L. Borden

David Jordan Whichard II Scholarship
Courtney Lindstrand
Mary Stevens

Clarence E. and Jane P. Whitefield Scholarship
Katherine A. Krantz

Jon Witherspoon Scholarship
Colleen M. McEnaney

WTVD Endowment Scholarship
Ashley L. Alderson

The School of Nursing

*James M. Johnston Distinguished Senior Award in the Nursing Program**
Karley Elizabeth Saffer

James M. Johnston Graduate Nurse Scholars
Catherine Elizabeth Brocker
Margaret Page Campbell
Mallory Grey Conway
Erin Nicole DeGuzman
Vibhaben Dholakia
Aino Linn Floderus
Amanda Gammon
Mary T. Holmes
LeeAnne Coyle Poole
Hannah Elizabeth Schrum
Margaux Rose Simon

James M. Johnston Undergraduate Nurse Scholars
Andrew David Jimenez
Karley Elizabeth Saffer

*The George R. Livas Outstanding Senior Nursing Award**
Olivia Reid

The Eshelman School of Pharmacy

Ballenger-Smith Award for Excellence in the Pharmaceutical Care Laboratory
Benjamin Ahlers

F.O. Bowman Award
Andrea Yuen Logan

T.R. Burgiss Family Award
Christina Helms Sherrill

Kristen Carol Burke Memorial Award
Jessica Nomina

Samuel Burrus Award for Community Service
Jonathan Craig Hale

*George H. Cocolas Pharmacy Student Body Award**
Maya Chen Wai

Boka Hadzija Student Excellence Award
David Robert Steeb

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Alina Robyn Sayner

John C. Hood Sr. Award in Practice Advancement and Clinical Education
Lucas Shane Wind

Buxton Williams Hunter Award
Michelle Janan Sarwar

Jacobs Award in Medicinal Chemistry
Chun Ying (Kinny) Lin

Kappa Epsilon Award
Ashley M. Campbell

Molecular Pharmaceutics Achievement Award
Leah Bethany Edenfield

Pharmacotherapy and Experimental Therapeutics Award
Jamielynn C. Sebaaly

Phi Lambda Sigma Leadership Award
Justin R. Arnall

Phi Lambda Sigma Pharmacy Leadership Society Class of 2013
Patrick Martin Brown
Leah Bethany Edenfield
Caitlin Mae Frese
Nicholas William Fritz
Peter Pappas Graham
Jonathan Craig Hale
Sharon Elizabeth Martin
Mollie Wren Sheron
David Robert Steeb
Maya Chen Wai
Amanda Michelle Woods
Christopher John Woodward

Rho Chi National Honor Society – Class of 2013
Emily Jane Ashjian
Ashley Elisabeth Bonnell
Courtney Louise Bradley

* *Chancellor's Award*

Jessie Zepeda Casberg
Wenyang Callie Chen
Melissa Lynn Cotterman
Leah Bethany Edenfield
Caitlin Mae Frese
Nicholas William Fritz
Lindsey Victoria Green
Bethany Dawn Lazear
Chun Ying (Kinny) Lin
Shu Yu (Susan) Lin
Andrea Yuen Logan
Sharon Elizabeth Martin
Bonnie Fallon Merrell
Kimberly Nicole Muehlbauer
Christina Marie Paniccia
Jennifer Susan Petschauer
Katherine Lynn Sandison
Jamielynn C. Sebaaly
Mollie Wren Sheron
Rachel Dorothea Smith
David Robert Steeb
Lauren Ferrand Strawser
George Taylor
Maya Chen Wai
Chan Myae Naomi Win
Lucas Shane Wind
Paul Wong

Ralph P. Rogers Sr. Award
John Taylor Schimmelfing

The Dorothy Virginia Stroud Memorial Award
Andrew T. Beaty

TEVA Pharmaceuticals Outstanding Student Award
Rachel Dorothea Smith

The Gillings School of Global Public Health

Delta Omega, Theta Chapter
Gayatri Ankem, ESE
Simon Ascher, EPID
Justin Timothy Bailey, HB
Stephanie Lynnette Baker, HB
Natalie McCarter Bowman, EPID
Erin Beth Henderson Braasch, PHLP
Emily Brouwer, EPID
Alex Perrow Carll, ESE
Jessie Edwards, EPID
Dane A. Emmerling, HB
Nina E. Forestieri, MCH
Michael Gee, PHLP
Talene Ghazarian, MCH
Fiona Hahn, PHLP
Kathleen Amanda Houpt, HB
Michael A. Hussey, BIOS
Ingrid Kotowski, PHLP
Sarah Dorothy Kowitt, HB
Emily Ann Kujawa, NUTR
Mary Elizabeth Kushman, ESE
Danielle Lamy, BIOS
Rachel Little, PHLP
Bonnie Anne Lyon, ESE
Christina Defilippo Mack, EPID
Derrick D. Matthews, HB
Lauren Elizabeth McCullough, EPID
Leah McGrath, EPID
Sarah Beth McLellan, MCH
Jennifer Lynn Neumann, PHLP
Khanh Hong Nguyen, MCH
Karishma Oza, MCH
Heather Ann Paich, NUTR
Ariana Pancaldo, NUTR
Lisa Fraser Parker, HB
Julia E. Rager, ESE
Leah H. Schinasi, EPID
Ashley Land Schoenfisch, EPID
Sophie Shaikh, PHLP
Lauren Elizabeth Snyder, MCH
Dori Marie Steinberg, NUTR
Jeanette A. Stingone, EPID
Bridget Teevan, PHLP
Melissa Anne Tinling, ESE
Samantha Kepler Van Dyke, NUTR
Daniel Wurzelman, PHLP
Elizabeth Lee Yanik, EPID
Xin Zhou, BIOS

Delta Omega Academic Excellence
Yu Deng, BIOS
Deanna LaMotte, HB
Meghan Hogan Malka, NUTR
Sara Mishamandani, ESE
Andrea Drulard Orben, PHLP
Sarah Kathleen Rhea, EPID
Melissa Rachel Sanchez, MCH

Delta Omega Recognition of Service Award
Katlyn Laura Donohue, MCH
Adrienne J. Gill, HB
Alexander Sean Gorzalski, ESE
Tyrone Ahmad Hall, NUTR
Elizabeth Koehler, BIOS
Ashley Naimi, EPID
Allison Walker Rice, PHLP
Jacqueline Grace Vaughn, MCH

Delta Omega Undergraduate Recognition Award
Rachel Ann Johnston, NUTR

Allison Lynn Dauer Scholarship
Yuqian Liu, HPM
Christina Lomax, HPM

Alumni Association Endowed Scholarships
Samantha Kepler Van Dyke, NUTR

Annual Fund Scholarship
Colin MacKay Cameron, ESE
Tyrone Ahmad Hall, NUTR
Chelsea Dynea Kolander, HB
Florence Masese-Amadi, MCH
Wendy Jane Marth, ESE
Carmen Maria Piernas Sanchez, NUTR
Mysha Sissine, HPM
Jasmine Stringer, HPM
Kathleen Elizabeth Tedford, MCH

Benedict and Philmenia Satia Scholarship
Wendy Camelo Castillo, EPID

Class of 2012 Annual Fund
Tyrone Ahmad Hall, NUTR

Donald and Jennifer Holzworth Merit Scholarship
Lexie Perreras, HB

Foster G. McGaw Graduate Student Scholarship
Lauren Smeeding, HPM

Gillings Dissertation Award
Heather Ann Paich, NUTR
Dori Marie Steinberg, NUTR

Gillings Merit Scholarship
Marissa Greene Hall, HB
Lauren Mary Hill, HB
Autumn Locklear, HPM
Makenzie McIntosh, HPM
Jennifer Lynn Neumann, PHLP
Molly Rebecca Ruben, MCH
Melissa Rachel Sanchez, MCH
LeVelton Thomas, HPM
Kerone Walker, HPM

Harry A. Guess Scholarship
Jennifer Marie Anderson, NUTR

Johansson Scholarship
Yuqian Liu, HPM

Naomi R. Koehler Endowment for Professional Development in Nutrition and Women's Health
Emily Anne Kujawa, NUTR
Samantha Kepler Van Dyke, NUTR

Susanne Moulton and Thomas Wong Scholarship
Damon Floyd Ogburn, EPID
Thomas Tran, HPM

Robert Verhalen Endowed Scholarship in Injury Prevention/Trauma
Ashley Schoenfisch, EPID

Sandra Winn Green Scholarship in Public Health
Christopher Beadles, HPM

Winstanly Scholarship
Nora Ellen Rosenberg, EPID
Virginia Senkomago, EPID

The School of Social Work

Alumni Development Award
Elyse Mallory Keefe

Melvarene J. Howard Adair Scholarship
Kimberly Autumn Bowers
Anne Mabry Peacock
Courtney Anne Pope
Madeline Julianna Serpa

Jane Hall and William Johnston Armfield Scholarship
Theresa Martin Bayless
Dean Allen Fox
Brittany Hunt
Indhira Mmefre Anietie Udofia
Samantha Weare Zwemer

Annie Kizer Bost Award
Jeanne Kay Cross
Tamsin Woolley

Mary Jane Burns Book Award for Excellence in Clinical Social Work
Leigh Meredith Strube

Chaney-Jacobs-Preyer Award
Annie Elizabeth Kouba
Indhira Mmefre Anietie Udofia

Brett Chavis Memorial Scholarship
Elena Claire Fowler

Robert and Peggy Culbertson Scholarship
Robert R. Smith

William E. and Catherine M. Cummins Award for Outstanding School Social Work Practice
Stacey Ellen Craig Riberdy

Martha Sherrill Dunn Scholarship
Shenita Paulette Mangum

Bertie Oscar Edwards Scholarship
Sarah Dale-Ann Miller

The Gerontological Society of America–Hartford Doctoral Fellow in Geriatric Social Work
Tiffany R. Washington

Joanna Finkelstein Gorham Scholarship
Claudio Andres Caceres Araya
Gail Jane Bush
Mshairi Jerita Evans
Earl Robert Forbes
Allison Christine Harrison
Virginia Susan Lewis
Erin May Neal Magnus
Shannon Elise Spillane
Antoinette Denise Taylor
Katherine Denise Thompson

Graduate School Merit Assistantship
Christopher J. Wretman

Kirsten E. Hewitt Scholarship
Amber Claire Whitford Bishop

Alan Keith-Lucas Scholarship
Deanna Janay Davis
Sara Gordon Pitts

Jeffrey Langston Scholarship
Kelsey Smith Crowe

James and Connie Maynard Scholarship
Wren Hurrle Davisson

Meehan Scholarship
Elisa Patricia Ford

Betsy Rogers Millar Scholarship
Hannah Meacham Legerton
Anthony Joseph Maglione
Mark B. Williams

North Carolina Center of Excellence in Youth Violence Prevention (NC-ACE) Pre-Doctoral Fellowship
Caroline I.B. Robertson
Kristina C. Webber

Outstanding Doctoral Student Award
Cynthia Fraga Rizo

Jane Curtis Parker Award
Christine Engle Alvarado
Kisha Shontel Minor Irvin
Marguerite Bridget Keil
Caitlin Heather Mayton

Joan Phillips-Trimmer Scholarship
Kristy Treadway Smith

Ellen E. Power Scholarship
Rhonda Bennetone

Sam and Betsy Reeves Doctoral Fellowship
Kanisha L. Coleman
Katie L. Cotter
William J. Hall
Christina E. Horsford
Candace L. Killian
Wen (Vivien) Li
Rainier D. Masa
Jenna N. Tucker
Kevin R. White
Ahmed Whitt

Kenneth C. Royall Jr. Scholarship
Lorlita Deabril Spann

Royster Society of Fellows
Shiyou Wu

Royster Society of Fellows Dissertation Completion Fellowship
Cynthia Fraga Rizo

Janice Hough Schopler Scholarship
Amber Claire Whitford Bishop
Alison Lee Brown
Natalie Marie Ditmore
Lena Jewel Harris
Valerie Nichol Haywood
Elizabeth Leon
Sarah Dale-Ann Miller
Jeremy Moore
Allison Laurens Oxford
Kiah Dawson Pape
Denea Monique Sellers
Whitney Sewell
Sierra N. Spellmon
Antoinette Denise Taylor
Sarah Elizabeth Tencer
Mark B. Williams

Social Justice Fund Scholarship
Karon Falaq Johnson

Florence Soltys Memorial Scholarship
Amber Claire Whitford Bishop
Kristen Marie Stefurcac
Laura Josefina Williams

Springle Memorial Scholarship
Valerie Nichol Haywood
Laura Josefina Williams

Linda M. Summer Scholarship
Elisa Patricia Ford

Leah Tannenbaum Scholarship
Elizabeth Meek Caccamo
Melissa Fenn
Elizabeth Leon
George Brownlee Jahnes
Leslie Rochelle McGee
Lauren Moss Pate
Joni Owens Riffey

Kristen Marie TenHarmsel Anderson Scholarship
Avery Phillips Lee

Smith P. Theimann Scholarship
Caroline Paige Oxford
Samantha Weare Zwemer

Turner Dissertation Award
Sarah Dababnah
Cynthia Fraga Rizo

Walsh-Cioffi Award
Monica Rose Ferenz
Michelle Yolanda Ropero-Cartier
Johannah Christine Swank

Ellen Black Winston Scholarship
Melia April Rose-Waters

Departmental Awards

DEPARTMENT OF AEROSPACE STUDIES

American Legion General Military Excellence Award
Kyle Swartz

American Legion Scholastic Excellence Award
Kyle Swartz

Daughters of the American Revolution Award
Jonathan Daniels

George C. Marshall/Henry "Hap" Arnold 5 Star Award
Kyle Swartz

National Defense Industrial Association Award
Jessica Trawick

National Defense Transportation Association Award
Michelle Vanvliet Lucas

Orders of Founders/Patriots of America Award
Michelle Vanvliet Lucas

*Kenneth C. Royall Award**
Kyle Michael Swartz

*Walter S. Spearman Award**
Kyle Michael Swartz

DEPARTMENT OF ALLIED HEALTH SCIENCES

The June C. Allcott Fellowships
Negat Negussie-Retta
Meg Ferrell Proctor
Brianne Elisabeth Shelly

Louis and Eleanor Duquette Human Movement Science Annual Scholarship
Julianne Denice Schmidt

Thorpe / Mitchell Diversity Leadership Development Awards
Crystal Lynnette McCullough
Allison Santana

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowships
Leanda Donaie
Gabrielle Scronce
Melissa Martell Senior
Christina Shoaf
Angela Huynh Vuong

DEPARTMENT OF AMERICAN STUDIES

*Peter C. Baxter Memorial Prize in American Studies**
Nina Sophia Bryce

CURRICULUM IN APPLIED SCIENCES AND ENGINEERING

Crawford Award
Andrew Connor Puett

Flexcell Award
Pratik Kanabur
Emma Tucker

Lock Award
Dennis Cahill

Lucas Scholars
Sara Oliver
Andrew Connor Puett
Kristen Sheerer

DEPARTMENT OF ART

The John and June Allcott Undergraduate Travel Fellowship
Joseph Amodei
Diego Camposeco

The Anderson Undergraduate Studio Art Award
Gregory Francis Halloran
Sheridan Cailin Howie

*The Alexander Julian Prize**
Joseph Gray Swartzel

The George Kachergis Memorial Scholarship
Jeremy Ray Bass
Sara Caroline Floyd
Anna Payne Rogers
Hannah Walid Shaban

The Penland School of Crafts Scholarship
Joseph Amodei
Swarnadurga Sivamani Olson

* *Chancellor's Award*

The Jonathan E. Sharpe Scholarship
Joseph Amodei
Jeremy Ray Bass
Sarah Elizabeth Cioffoletti
Sara Caroline Floyd
Anthony Noel Hamilton
Kaitlin Blair Knapp
Amelia Anne Parlier
Anna Payne Rogers
Jonathan David Rollins

*The Undergraduate Prize in Art History**
Hannah Morgan Clager

DEPARTMENT OF BIOLOGY

The Robert Coker Award
Kelly Speare

The John Couch Award
Collin Price

*The I. R. Hagadorn Award**
Joseph Scott Goodwin

The Francis Leclair Award
Jordan Preuss

The Henry Wilson Award
Jessica Koontz

DEPARTMENT OF BIOMEDICAL ENGINEERING

2012–2013 Distinguished Dissertation Award in Mathematics, Physical Sciences and Engineering from the UNC Graduate School
Ryan Gessner

2012–2013 Lineberger Comprehensive Cancer Center Graduate Fellow Award in Basic Sciences
Ryan Gessner

Carolinas Product Development and Management Association 2011 Student Design Competition Runner-Up: Nicholas Hallfors

DEPARTMENT OF CHEMISTRY

Jason D. Altom Memorial Award for Undergraduate Research
Jackson Trotman
Shungzhi Wang
Zoe Watson

Hypercube Scholar Award
Erik Thiede

James H. Maguire Memorial Award
Boyeon Choi
Catherine Dial
Hung Nguyen
Vishaupreet Singh

Emmett Gladstone Rand Award
Boyeon Choi
Herodes Guzman
Lukas Keil
Elizabeth Stephenson

Carrie Largent Award for Research Excellence
Zoe Watson

David L. Stern Scholar
Boyeon Choi
Agostini Naranjo Gabriela

Undergraduate Award for Excellence in Physical Chemistry
Erik Thiede
Samuel Sanders

Frances P. Venable Medal
Shane Richard
Wallace Glen Russell
Haoming Xu

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Caitlin Olson Hines

The Epps Prize in Greek Studies
Rachel Elizabeth Hannah Mazzara

The Herington Prize in Greek
Caitlin Olson Hines

The Herington Prize in Latin
Heather Marie Swanson

The Herington Scholarship
Nicole Grace Curtis

The Nims Scholarship
Andrew Haynes Fulghum Cabaniss
Caroline LynnLee Carter
Luke Wilson Hagemann
Julia Louise Juhasz

*The Albert Suskin Prize in Latin**
Rachel Elizabeth Hannah Mazzara

DIVISION OF CLINICAL LABORATORY SCIENCE

Allene W. Alphin Clinical Laboratory Scholarship
Carla E. Molestina

Jesse C. Alphin Clinical Laboratory Annual Scholarship
Shelby Lynn Pavan

Susan Lanning-Taylor Loyalty Fund Annual Scholarship
Jessica Chanell Clemmons

McLendon Labs Scholarships
Teresa Lauren Britt
Jerrica Rae Snow

Molecular Diagnostic Science Corporate Partner Program Scholarships
Lisa Kay Cremeans
José Constantino Sevilla
Tatyana Zhuravleva

Outstanding Senior in the Division of Clinical Laboratory Science
Teresa Lauren Britt

RPLA Clinical Laboratory Science Annual Scholarship
Melissa Ann Mauney

WakeMed Health and Hospitals Clinical Laboratory Science Annual Scholarship
Alexander McLean Lawler

Louise M. Ward Scholarships
Helen Bui
Blythe Nicole Butler
Amy Zhan

DEPARTMENT OF COMPUTER SCIENCE

2012–2013 Computer Science Alumni Fellowship
Haohan Li
Sachin Patil

2012–2013 Stephen F. Weiss Award for Outstanding Achievement in Computer Science
Zachary Taylor Cross

2012–2013 Charles H. Dunham Scholarship
Preeti Arunapuram

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Abigail Coryell
Alison Evarts
Benjamin French
Elizabeth Hylton
Dakota Proctor
Justin Stidham
Mark Taylor
Eve Von Bleyle

The Lillian Chason Scholarship
Jackson Bloom

The Laura Jewell Dobbins Graduate Fellowship
Tania Chelnov-Snitow
Beckett Finn
Brandon Garegnani
Patrick McHugh
Maren Searle

The Ruth and Wes Egan Award
Kate St. John

Joseph D. Feldman Award
Margaret Burrus
Katherine Chelena
Isabelle Francke
Lydia Hanchett
Brittney Holland
Alexandra Ruba
Megan Rutherford
Madison Scott
Nicola Vann
Jerrold Zuraw

Virginia and George Ferguson Award in Honor of David Hammond
Kelsey Didion

The Andy and Cindi Griffith Scholarship
Alison Evarts
Isabelle Francke
Madison Scott
Kevin Spellman
Cary Simpson

Frederick M. Koch Memorial Scholarship
Corinne Hodges
Candy McClernan
Kelly Renko

The Louise Lamont Award
Laura Pates

Ella Mae Daniel and Robert H. Proctor Award
Allen Tedder

The Irene Smart Rains Dramatic Art Award
Leah Pelz

The Phyllis Rice Ryan Award
Chad Rodgers

Samuel Selden Memorial Award
Allison Farmer
Nick Ryan

Samuel Selden Playwriting Award
Ben Boecker

Charles M. and Shirley F. Weiss Award
Nathaniel Claridad

DEPARTMENT OF ECONOMICS

*Undergraduate Prize in Economics**
Sean Alexander Myers

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Doris Betts Award
Chelsea Redeker Milbourne

Suzanne Bolch Literary Award
Hannah Iva Eck

Joseph Breen Fellow
Caitlin Grace Watt

The Ann Williams Burrus Poets Prize, The Academy of American Poets
First Place: Maria Isabelle Carlos
Honorable Mention: Michael Thomas Lawson

Eugene H. Falk Award for the Best Dissertation in Comparative Literature
Wilson R. Kaiser (2012)

Werner P. Friederich, Best Undergraduate Essay in Comparative Literature (Literary Traditions)
Emmett F. Gilles (2012)

James R. Gaskin Award
Adrian L. Greene (2012)

Graduate Essay Prize in Comparative Literature
Lauren Du Graf (2012)

Earl Hartsell Award
Sarah R. Lindsay (2012)

C. Carol Hollis Award
Edward Knuth Scheinman (2012)

C. Hugh Holman Fellow
Kelly L. Bezio

*Robert B. House Memorial Prize in Poetry**
Benjamin Pearce Miller

Almonte Howell-Robert Voitle Fellow
Lauren Garrett

Erika Lindemann Teaching Awards
Kathleen Crosby (2012)
Sarah Elizabeth Parker (2012)
Samantha Michele Riley (2012)

William Dougald MacMillan III Award
Amanda M. Page (2012)

Ruth Rose Richardson Fellow
Laura Joy Broom (2012)
Eddie A. Moore (2012)

*Louis D. Rubin Jr. Prize in Creative Writing**
Meredith Anne Jones

The Max Steele Award in Fiction
Sarah Abigail Brady
Jared William Shaffer

Fred and Joan Thompson Award
Catherine M. Attkisson
Sarah E. Marsh

Undergraduate Essay Prize in Comparative Literature
Elizabeth Morris (2012)

James Lawrence Whitfield Prize in English
Erin Carroll Laurie (2012)
Samuel Vincent Lemley (2012)

CURRICULUM FOR ENVIRONMENT AND ECOLOGY

Environmental Student Leadership Award
Suzanne Miriam Fleishman
William Douglas Leimenstoll

Environmental Excellence Award
Travis Alexander Courtney

Best Environmental Research Award
Audrey Charlotte Crockett
Melissa Leigh Wrzesien

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

ESE Achievement Award
Joshua A. Powell

ESE Achievement Award
Ryan D. Cronk

DEPARTMENT OF EPIDEMIOLOGY

Arrighi Scholars Fund
Leah H. Schinasi

Rebecca James Baker Scholarship
Catheryne G. Clouse

Harry A. Guess-Merck Scholarship in Pharmacoepidemiology
Christina Defilippo Mack

Berton H. Kaplan Publication Award
Ashley Naimi
Katie M. O'Brien

Joan Cornoni Huntley Scholarship
Nora Ellen Rosenberg

Genee Shavonne Smith
Jeanette A. Stingone

Sidney Kark Award for Distinguished Teaching Assistant
Lauren Elizabeth McCullough

Tellus Foundation Scholarship
Virginia Senkomago

H. A. Tyroler Endowed Scholarship in Epidemiology
Anne Preston Starling

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*Patrick F. Carey Award **
Hope Elizabeth Almeida

Sport Club Council Achievement Award
Elizabeth Abbey Sims

CURRICULUM IN GENETICS AND MOLECULAR BIOLOGY

Curriculum in Genetics and Molecular Biology Dissertation Award
Kathryn Patricia Kohl
Derek Lundberg
Lindsay Rizzardi

DEPARTMENT OF GEOGRAPHY

*McNally Award for Excellence in Geography**
Joseph Daniels

DEPARTMENT OF GEOLOGICAL SCIENCES

*Op White Award**
Evan B. Baker

W. A. Tarr Award
Daniel Gurganus

DEPARTMENT OF HEALTH BEHAVIOR

Kathryn J. Kerr Memorial Scholarship Award
Laura Elizabeth Baker

Barnhill-Hatch Fellowship Award
Adrienne J. Gill
Chaunetta L. Jones

Harriet Hylton Barr Memorial Award
Chassidy Joanne Hanley

Jo Anne Earp Scholarship
Laura Villa Torres

Godfrey M. and Lore Hochbaum Scholarship
Paul J. Fleming
Catherine Jo

Ethel Jean Jackson Health Education Practice Award
Marcia Perritt

Lucy S. Morgan Fellowship Award
K. Amanda Houpt
Chaunetta L. Jones
Laura Villa Torres

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

AUPHA/McGaw Master's Scholar
Elizabeth Betts, HPM
Corrie Brisson, HPM
Ann Somers Wilton, HPM

AUPHA/McGaw Undergraduate Scholar
Justin Sodoma, HPM
Lydia Stewart, HPM

Margaret Dardess and T.E. Smith Scholarship
Edwin Alcorn, HPM
Meghan M. Clithero, HPM

Davis-Watson Scholarship
Paige Coulter, HPM

James P. Dixon Award for Excellence in Education
Todd Lewis, HPM
Camille McGirt, HPM

Arthur B. Holzworth Endowed Scholarship
Gina Ogilvie, HPM
Paul Throne, HPM

* *Chancellor's Award*

Jacob Koomen Public Health Practice Award
Alicia Stokes, HPM
John Wicsman, HPM

The Deniese May Chaney Fellowship
Lisa Koonin, HPM

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student
Jeffrey Federspiel, HPM
Wayne Psek, HPM

Benjamin Rodin Scholarship
LeVelton Thomas, HPM

Gerald D. Studer Undergraduate Student Award
Shuaiqing Liu, HPM

Jean G. Yates Outstanding Doctoral Student Award
Jeffrey Federspiel, HPM

Jean G. Yates Public Health Policy Award
Lauren Smeeding, HPM
Ann Somers Wilton, HPM

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
Ivy Ilyse Hauser

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Carolina Global Breastfeeding Institute Scholarship
Talene Ghazarian

Earl and Gladys Siegel Student Support Fund
Khahn Nguyen

Katherine Ann Wildman Memorial Scholarship
Kathleen Tedford

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Marshall Ward Lochbaum

*The Archibald Henderson Mathematics Medal**
Shreyas Samir Tikare
Nathan Michael Vos

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

G. Philip Manire Graduate Student Excellence in Research Award
Aadra Prashant Bhatt
Bronwyn Mei Gunn

DEPARTMENT OF MILITARY SCIENCE

George C. Marshall Award
James Seaton

Distinguished Military Graduate
Oliver Salman

Distinguished Military Graduate (MBA from Business School)
James Seaton

DEPARTMENT OF MUSIC

David Arons Award for Excellence in Musical Performance
Philip Melancthon Snyder V

Burch Fellow
Laura Catherine Buff

Fred Fearing Jazz Award
Evan Daniel Atherton
Vincent Alexander Williams

Golden Key International Honour Society
Paula Erika Peroutka

William R. Kenan Jr. Music Scholars
Ning Lee
Crystal When-Yuh Wu

King's College London and Royal Academy of Music Fall Exchange Program
Paula Erika Peroutka

Danielle Elizabeth Liotta Award
Philip Melancthon Snyder V

Mildred Brown Mayo Fund for Undergraduate Research Award
Christin Lynette Danchi
John Ashley Stemke

Major Y Award
Jonathan Alexander Atkinson

Music Department Award for Academic Excellence
Christin Lynette Danchi

National Association of Teachers of Singing North Carolina Classical Auditions
Laura Catherine Buff, First Place
Cornelius James David, Category 26, Regionals Qualifier
Sarah Elizabeth Edwards, Category 23-B, Second Place
Mara Victoria Howard-Williams, Category 23-B, Regionals Qualifier

National Association of Teachers of Singing North Carolina Musical Theater Auditions
Allison Scott Bonner, First Place
Cornelius James David, Regionals Qualifier
Sarah Catherine Humphrey, Third Place

Royal School of Church Music-Voice for Life Program Gold Medal
Rachel Maciver Hicks

*Earl Slocum Band Award**
Richard Bradford Drehoff Jr.
Philip Melancthon Snyder V

Benjamin Swalin Orchestra Award
Lauren Elizabeth Anderson
Audrey Elisabeth Cook
Christin Lynette Danchi
Margaret Estelle Neville

Thelma Thompson Composition Award
John Asheley Stemke

UNC Band Directors Award
Robert Tyler Emory
David Nathaniel Johnson
Jonathan Robert McGinnis
Brian Patrick McSorley

UNC Band Drum Majors
Alexandra Elaine Bradsher
Richard Bradford Drehoff
Maggie Elizabeth Grossman
Michelle Christine Lewis

UNC Choral Music Award
Laura Catherine Buff

UNC Guitar Ensemble Award
Jonathan Robert McGinnis

UNC Opera Award
Rachel Maciver Hicks

UNC Symphony Orchestra Concerto Competition Winners
Audrey Elisabeth Cook
Sarah Catherine Humphrey
Philip M. Snyder
Crystal When-Yuh Wu

DEPARTMENT OF NAVAL SCIENCE/NROTC

American Legion Military Excellence
Hartley Sanders Tempest

AMVETS
Zachary Brian Miller

CNO Distinguished Graduate Award
John Alexander Lawler

Patrick Connor Award
Zachary Brain Miller

*The Josephus Daniels Scholarship Medal**
John Alexander Lawler

Daughters of the American Revolution
Amanda Renee Terrill

Hudson Foundation Scholarship Award
John Alexander Lawler

Marshall Ward Scholarship Award
Michael Walker Dinkins

Naval Submarine League
John Alexander Lawler

NDTA Award
Michael Walker Dinkins

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Min Seon Hurin

DEPARTMENT OF NUTRITION

A. Hughes Bryan Outstanding Doctoral Award in Nutrition
Heather Ann Paich
Dori Marie Steinberg
Carmina Grace Valle

CONACYT (Mexican National Council for Science and Technology) Scholarship
Carolina Batis Ruvalcaba

Academy of Nutrition and Dietetics Foundation's Quindara Oliver Dodge Memorial Scholarship
Meghan Hogan Malka

Joseph Edozien Outstanding Undergraduate Award in Nutrition
Rachel Ann Johnston
Frederick Charles Morgan

MaryAnn C. Farthing MPH Scholarship Award in Nutrition
Jennifer Marie Anderson
Meghan Hogan Malka

Gerber Foundation Predoctoral Fellowship
Carolina Batis Ruvalcaba

Honors Undergraduate Research Award
Anne Marie Altschul
Rachel Ann Johnston
Michelle Chen Kuei
Mary Rebecca Shen

McNeil Nutritional Predoctoral Fellowship
Heather Ann Paich

American Dietetic Association Foundation's New Jersey Dietetic Association Scholarship
Meghan Hogan Malka

North Carolina Dietetic Association's Outstanding Dietetics Student Award
Jillian Lynn Hamilton

American Dietetic Association Foundation's Geraldine M. Piper Memorial Scholarship
Jennifer Marie Anderson
Dori Marie Steinberg
Heather Ann Wasser

Cynthia Kay Reeser Scholarship in Nutrition
Elizabeth Alanna Boudreau

Summer Undergraduate Research Fellowship (SURF)
Rachel Ann Johnston

DIVISION OF OCCUPATIONAL SCIENCE AND OCCUPATIONAL THERAPY

Carolinas Rehabilitation Occupational Science and Occupational Therapy Annual Scholarship
Michelle Lynne Reed

Increasing Diversity in Occupational Science and Occupational Therapy Scholarship
Dokota Michell Boston

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

Graduate Education Advancement Board Impact Award
Bethany Walton

DEPARTMENT OF PHILOSOPHY

*Worth Award**
Daniel Everett Ferguson

DEPARTMENT OF PHYSICS AND ASTRONOMY

Daniel C. Johnson Outstanding Junior Award
Paul A. Ferris

*Paul E. Shearin Outstanding Senior Award in Physics**
Alexandru Bacanu

Robert Shelton Award for Outstanding Research
Rachel Ger

DEPARTMENT OF POLITICAL SCIENCE

*L. Richardson Preyer Award for Excellence in Political Science**
Rachel Maureen Myrick

DEPARTMENT OF PSYCHOLOGY

Robert C. Byrd Honors Scholar
Kelly Ann Knowles

Sarah Steele Danhoff Undergraduate Research Award
Mary Katherine Weinel

Dunlevie Honors Undergraduate Research Award
Katelyn L. Dryden

Gump Family Undergraduate Research Award
Mariah Moore

Tom and Elizabeth Long Research Award
Lap-Ching Keung

David Bray Peele Research Award
Remi Shay Moore

Psi Chi
President: Edward Bartels
Vice President: Brooke Youngblood
Secretary: Whitney Haywood
Treasurer: Melisa Menceloglu
Student Faculty Liaison: Sarah Barger
Volunteer Coordinator: Lizzie Cappellari

Renwick Academic Award
Iesha Vicktoria Bailey

Summer Undergraduate Research Fellowship
Dillon Craig Cockrell

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

Margaret Blee-Ruth Warwick Hay Award
Joel Malak
Dawn Mopkins

Arnold D. Kaluzny, Ph.D. Distinguished Alumni Award
Lisa Macon Harrison, MPH

Imogene Pence Klingenfus Award
Cheryll Bailey
Margaret Holmes

Rachel Stevens Scholarship Award
Emily Nicholson

ANCBH Vaughn Upshaw Scholarship
Zinaida Mahmutefendic

DEPARTMENT OF PUBLIC POLICY

Michael A. Stegman Award for Policy Research and Advocacy
Stewart Boss

Kathy Arnold Taft Award for Leadership in Education Policy
George Ramsay

DIVISION OF RADIOLOGIC SCIENCE

Buddy Clark Loyalty Fund Radiologic Science Annual Scholarship
Danielle Ashley Drum

Dr. Jerry Lambiente Radiologic Science Loyalty Fund Annual Scholarship
Issack E. Boru

The Phyllis Ann Canup Pepper Radiologic Science Memorial Fund Scholarships
Pamela Ann Coffel
Ivey Nicole Summerlin
Angela Huynh Vuong
Rebecca Walters

Tina D. Robbins Memorial Award
Shannon Monique Woodson

Joseph Taylor Radiology Student Assistance Fund
Lynae Sherie Baker

DIVISION OF REHABILITATION COUNSELING AND PSYCHOLOGY

Dr. Mark C. Fleming Rehabilitation Counseling and Psychology Annual Scholarship
Savannah Marie Carson

GENEX Rehabilitation Counseling and Psychology Annual Scholarships
Katherine Lee Aiello
Casic Lorraine Hall
John Taylor Houchens
Tommi Alyse Pait

Richard H. Peters Rehabilitation Counseling and Psychology Annual Scholarship
Lauren Renée Bangert

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Jocelyn Burney

The Bernard Boyd Memorial Fellowship
Matthew Hoehn

DEPARTMENT OF ROMANCE LANGUAGES AND LITERATURES

*Camões Prize in Portuguese**
Jared Scruggs

Falvo Award for Excellence in Italian Graduate Study
Angelo Castagnino

*Jacques Hardré Undergraduate Award for Excellence in French**
Annie Segal

Kimberly Kyser Award for Excellence in Italian
Laura Buff

Romance Languages Stoudemire Prize for Excellence in Spanish
David Baird

* *Chancellor's Award*

Lindsay Miller
Erin Padgett

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Emily Alyssa Whitfield

Thomas Henry Wilson Sr. Undergraduate Spanish Research Award
Claire Lozano
Emily Whitfield
Miranda Wodarski

DEPARTMENT OF SOCIOLOGY

*The Howard W. Odum Undergraduate Sociology Award**
Samantha Nicole Martinez

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communications Disorders Annual Scholarship
Kevin Terence Cunningham

Audiology Alumni Annual Scholarship
Jenna Marie Browning

Dr. Sylvia Campbell Speech and Hearing Sciences Annual Scholarship
Danielle Brooke Kopkin

Diversity Scholarship in Speech-Language Pathology
Adara Nicole Blake

Robert W. Peters Award
Kevin Terence Cunningham

Janice Rebecca Pettie Bowles Speech and Hearing Sciences Annual Scholarship
Kaylen Marie Hunter

Norman and Nevada Pierce Annual Scholarship
Maureen Feldbaum

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Kathryn Michelle Briggs

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

W. Robert Mann Award
Zhujun Liang

Mathematical Decision Sciences Award
Surojit Biswas
Nathan Vos

STOR Outstanding Achievement Award
Qing Feng
Leicheng Yin
Guan Yu

STOR Teaching Award
Jiang Chen
Jeremy Sabourin
Nelson Lee
Han Ye

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Katherine Marie Watkins

DEPARTMENT OF ATHLETICS AWARDS

Academic All-America of the Year
Scott Goodwin (Men's Soccer)

ACC Scholar Athlete of the Year
Amber Brooks (Women's Soccer)
Scott Goodwin (Men's Soccer)

Atlantic Coast Conference Weaver-James-Corrigan Honorary Award
Jonathan Cooper (Football)

Atlantic Coast Conference Weaver-James-Corrigan Postgraduate Scholarships
Rebecca Brooks (Women's Swimming and Diving)
Scott Goodwin (Men's Soccer)
Pete Mangum (Football)

NCAA Elite 89 Award
Caitlin Ball (Women's Soccer)
Loren Shealy (Field Hockey)

2012–2013 Athletic Director's Scholar-Athlete Awards
Michelle Ahn (Women's Golf)
Joe Alter (Men's Fencing)
Patrick Barrett (Men's Golf)
Amber Brooks (Women's Soccer)
Zoe De Bruycker (Women's Tennis)
Kara Cannizzaro (Women's Lacrosse)
Marisa Dobbins (Women's Track and Field)
Elizabeth Durkac (Gymnastics)
Tia Gaffen (Volleyball)
Adelaide Gay (Women's Soccer)
Scott Goodwin (Men's Soccer)
Krista Gross (Women's Basketball)
Nick Heilmann (Wrestling)
Meghan Lyons (Field Hockey)
Pete Mangum (Football)
Kieran McDonald (Men's Lacrosse)
Chris Munnelly (Baseball)
Brett Nagle (Men's Swimming and Diving)
William Parker (Men's Tennis)
Chadd Pierce (Men's Track and Field)
Jackie Rudolph (Women's Swimming and Diving)
Heather Van Wallendael (Women's Fencing)
Claire Wardius (Rowing)
Paige Williams (Softball)

2012–2013 Team Captains

Baseball
Chaz Frank
Chris Munnelly
Cody Stubbs

Women's Basketball
Krista Gross
Waltiea Rolle
Tierra Ruffin-Pratt

Men's Cross Country
Isaac Presson

Women's Cross Country
Lianne Farber

Men's Fencing
Epee: Daniel Giles, Maxwell Tice-Lewis
Foil: Joseph Alter
Sabre: Nate Wiecha, Sam Austin

Women's Fencing
Epee: Kacie Albert, Alexandria Mead
Foil: Jenna Rodrigues, Heather Van Wallendael
Sabre: Sara Leung

Field Hockey
Kelsey Kolojejchick
Katie Plyler
Caitlin Van Sickle

Football
Giovani Bernard
Jonathan Cooper
Pete Mangum
Kevin Reddick
Sylvester Williams

Men's Golf
Patrick Barrett
Michael McGowan
Clark Palmer

Women's Golf
Courtney Gunter
Katherine Perry

Gymnastics
Elizabeth Durkac
Maura Masatsugu

Men's Lacrosse
Marcus Holman

Women's Lacrosse
Kara Cannizzaro
Margaret Corzel
Emily Garrity
Sloane Serpe

Rowing
Carie Mastrianni
Alex McClelland
Lindsay Newman

Men's Soccer
Jordan Gafa
Scott Goodwin

Women's Soccer
Amber Brooks
Maria Lubrano

Softball
Haleigh Dickey
Amy Nece

Men's Swimming and Diving
Alex Gianino
Brett Nagle

Women's Swimming and Diving
Stephanie Eisenring
Katie Nolan

Men's Tennis
Taylor Meyer
William Parker

Women's Tennis
Zoe De Bruycker
Lauren McHale
Gina Suarez-Malaguti

Men's Track and Field
Chadd Pierce

Women's Track and Field
Ariel Roberts

Volleyball
Cora Harms
Emily McGee

* *Chancellor's Award*

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown was redesigned in 2011 by award-winning colorist and fashion designer Alexander Julian — a Chapel Hill native and UNC alumnus — to be both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a more streamlined fit, white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

This Commencement weekend, some students will be wearing special cords. Gold cords will be worn by Honors graduates, and blue and white cords will be worn by Public Service Scholars.

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Kiran Bhardwaj
Angelyn (Angie) S. Bitting
Tony Botros
Jeanette (Jan) Boxill
Anne K. Bryan
Jill Hartman Crowder
Christopher Derickson
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
Deborah L. Hawkins
Christopher Lambden
Leslie S. Lerea
Karen Moon
Laura Hayes Morgan
Jacob Morse
Jackie Overton
Valerie A. Price
Erin C. Schuettpelz
Jane C. Smith
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Georgia Walker

Credits

Published by the UNC–Chapel Hill offices of Publications Services and UNC Creative. Photos by Dan Sears.
Special thanks to the following UNC–Chapel Hill offices: Registrar's Office, The Graduate School, News Services, Xerox Printing Operations.

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Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.
This program was printed without the use of state funds.

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

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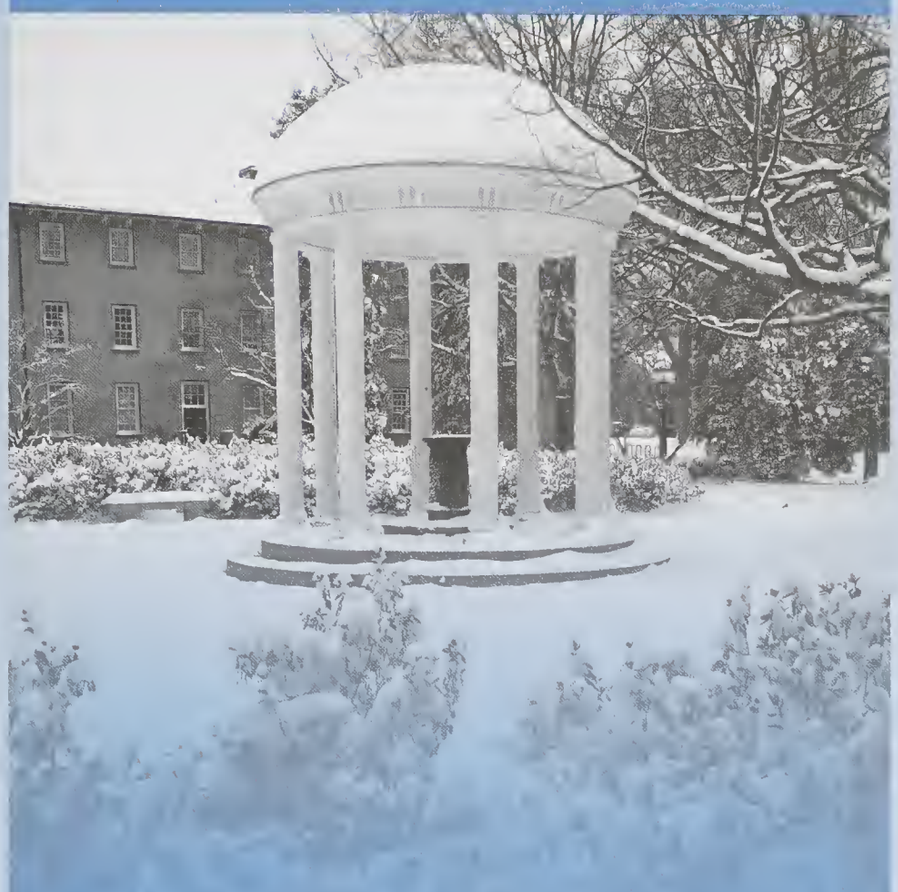
Commencement 2013



THE UNIVERSITY OF

NORTH CAROLINA

AT CHAPEL HILL

Sunday, December Fifteenth

TWO THOUSAND THIRTEEN

Commencement 2013

THE UNIVERSITY OF

NORTH CAROLINA

AT CHAPEL HILL

Sunday, December Fifteenth

TWO THOUSAND THIRTEEN

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina, and we treasure this opportunity to celebrate with you as you commence the next steps of your life journey.

Families and friends of the graduates, no one could believe more in their capacity and character than you. On behalf of the Carolina faculty and staff, thank you for sharing your student with us, and congratulations as you also make a life transition.

Undergraduate, graduate and professional students, I hope that you find a moment this weekend to recall your Carolina years and realize how your time here has prepared you for your future. You have learned the tools to capture and shape your own transitions. You have developed enduring intellectual skills that will help you imagine a future you cannot yet see. Most importantly, you have developed the personal connections that will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

Graduates, you may feel uncertain about the next steps ahead. That is to be expected. But I urge you to "trust in the you of now," as the saying goes, and I promise that you will find your path and your passion.

Please keep in touch and visit Chapel Hill. We will be here, eager to help and applaud your success. Congratulations!

Carol L. Folt

CAROL L. FOLT

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ALMA MATER

The words of "Hark the Sound," UNC-Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

If you have any questions regarding Commencement activities, or in the event of an emergency, please contact an usher.

Open captioning of the ceremony will be available on the video screens in the Dean Smith Center.

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

All diplomas are printed after graduation and are mailed to graduates. Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Gordon and Bowman Gray Distinguished Term Professor, Department of Chemistry* Walker Swain, *Senior Marshal*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor of the University of North Carolina at Chapel Hill*
National Anthem	Maria Kristen Palombo, *Class of 2014* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE UNIVERSITY OF NORTH CAROLINA G. Leroy Lail, *UNC Board of Governors*
	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL W. Lowry Caudill, *Chair*
	FOR THE GENERAL ALUMNI ASSOCIATION Robyn S. Hadley, *Chair, Board of Directors*
Introduction of Commencement Speaker	Georgia Walker, *President of the Class of 2014*
Commencement Address	Kevin M. Guskiewicz, *Kenan Distinguished Professor and Co-Director, Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center; Research Director, Center for the Study of Retired Athletes; Senior Associate Dean for the Natural Sciences, UNC College of Arts and Sciences*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Tony Botros, *Vice President of the Class of 2014*
"HARK THE SOUND"	Maria Kristen Palombo
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

Carol L. Folt took office as Carolina's 11th chancellor and first woman leader on July 1, 2013.

An internationally recognized environmental scientist and award-winning teacher, Folt served as interim president of Dartmouth College during 2012-2013. She also was Dartmouth Professor of Biological Sciences at the prestigious Ivy League institution.

Folt was formally installed as chancellor on University Day, October 12th, which marked Carolina's 220th birthday. She says the transformative power of public higher education is flourishing at the University.

In her installation address, Folt laid out an ambitious agenda for the future. "I believe that Carolina can be the leader in shaping the path for the great public universities in America. By preserving excellence and innovation, access and affordability, and a deep commitment to the state, we can gather strength to innovate and meet new challenges."

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology in 1982 from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

After joining the Dartmouth faculty in 1983, Folt rose steadily through the academic and administrative ranks. She was named associate director of Dartmouth's Toxic Metals Research Program in 1998, and two years later became associate director of the Center for Environmental Health Sciences. In 2001, she was appointed dean of graduate studies and associate dean of the faculty for interdisciplinary programs. She was promoted to dean of the faculty in 2004, tapped as acting provost in 2009, and named provost in 2010.

As interim president, Folt helped identify opportunities for greater collaboration across schools to enhance academic quality and competitiveness, oversaw growth in global partnerships, and augmented support for faculty, student and community entrepreneurship and technological innovation. She spearheaded a year-long focus on the arts, co-education and the future of higher education. As provost, she led the first strategic planning process, engaging hundreds of faculty, staff and students. Following the economic downturn, she co-led efforts to resolve a $100-million budget gap.

Folt's research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She and colleagues developed new technologies to assess mercury exposure and formed regional, national and international partnerships to shape public policy for safer waters. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

KEVIN M. GUSKIEWICZ

The Commencement Speaker

Kevin Guskiewicz, a world-renowned concussion expert and MacArthur "genius" grant winner, is the Kenan Distinguished Professor and co-director of the Matthew Gfeller Sport-Related Traumatic Brain Injury Research Center and research director of the Center for the Study of Retired Athletes in the Department of Exercise and Sport Science at UNC-Chapel Hill. He holds joint appointments in the Department of Orthopaedics, the UNC Injury Prevention Research Center and the Doctoral Program in Human Movement Science. He is also the senior associate dean for the natural sciences in the College of Arts and Sciences.

In August 2013, Time magazine called Guskiewicz an "impact investigator" worthy of inclusion on its list of "Game Changers – America's top innovators and problem-solvers." His work has largely focused on improving safety in football – a sport he loves. He has studied concussions since he was a graduate assistant on the training staff of the Pittsburgh Steelers. He leads the NFL's subcommittee on safety equipment and playing rules, and has been working with the league over the last decade to develop safer ways to play the game.

Guskiewicz joined the University's department of exercise and sport science in 1995, and served as head athletic trainer for the women's lacrosse team for three years. In 1998, he became director of the concussion-testing program for all UNC teams. At Carolina, his long-term epidemiological study on hundreds of retired football players uncovered a correlation between the number of concussions a player suffered and the appearance of dementia, depression and other brain dysfunction later in life.

To make football a safer sport, Guskiewicz convinced ESPN to cancel a Sunday night feature on the most spectacular hits of the day's NFL games. He also helped persuade the NFL to move kickoffs from the 30 yard line to the 35 yard line, resulting in 33 percent more no-hit touchbacks the following season.

During his experience with the Steelers, Guskiewicz saw that trainers had to lean heavily on the subjective accounts of athletes – reports of dizziness, headaches, memory loss and the like. He developed objective tests that take much of the guesswork out of diagnosing concussions and studied the long-term effects that repeated concussions can have on cognitive function. More recently, he has focused on preventing injuries in the first place.

In 2004, Guskiewicz and his colleagues began placing accelerometers in the helmets of UNC football players. Helmets outfitted with accelerometers measure the impact of a blow to the head and send data to the sideline, where a significant collision sets off the head trainer's pager, enabling him to watch the player more closely for signs of concussion.

Guskiewicz has used part of his MacArthur Foundation award to work with the military on concussions that are caused by blast injuries. Those collaborations have focused on helping the military quickly and effectively identify the seriousness of injuries and recovery times so that a soldier can be sent to an appropriate treatment location for care.

Officers of the Class of 2013

Tim Palmer, *President*
Nora Chan, *Vice President*
Brennan Fox, *Chief Marshal*
C. Hawkins '00, *Advisor*
Bianca Bell '11, *Annual Fund Liaison*

Officers of the Class of 2014

Georgia Walker, *President*
Tony Botros, *Vice President*
Rachel Uhlman, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Sutton Farthing '12, *Annual Fund Liaison*

Marshals of the Class of 2013

Kelly Blessing
Jerry Bowens
Sara Brady
Derek Buchanan
Lindsay Casper
Josh Clinard
Emily Ellis
Cheyenne English
Ashley Fox
Jordan Graves
Jane Hall
Abby Harrill
Janae Hinson
Colin Hodges
Mike Hourigan III
Laura Kessler
Sarah Mafe
Logan Mauney
Denzel McCollum
Maddy Merrill
Khadija Mohamed
Symone Morales
Thomas Mosley
Antoinette Newsome
Moni Oyedepo
Amber Pace
Nish Patel
Swati Rayasam
Ray Sawyer
Simon Scholl
Lauren Seiple
Kara Simpson
Kathryn Singsank
Justin Sodoma
Kimmy Summers
Emily Tracy
Becca Vinson
Jeff White

Marshals of the Class of 2014

Zachary Alexander
Cody Allen
Andrea Alonso
Ana Amaya
Gabriel Baylor
Mary Morgan Bitler
Michael Cash
Tricia Cleppe
Chelsey Dulaney
Chris Felix
Seve Gaskin
Shelby Goerne
Kathleen Goolsby
Amy Hammond
Breanna Harris
Alex Jackson
Suzanne Jasmine
Phillip Krouse
Chandler Leik
Ashcon Livingston
Farrell Murphy
Derek Murray
Beejal Patel
Harsh Shah
Sara Shariff
Melissa Shulman
LaDarian Smith
Anna Spickard
Walker Swain
Jessi Tremayne
Cheyenne Turner
Roli Tyagi
Warner Underwood
Neha Vennekkat
Anna Volz
Corinne White
Tommy Yandle

Graduate and Professional Student Federation Officers

Kiran Bhardwaj, *President*
Julie Lauffenburger, *Vice President for Internal Affairs*
Xin Liu, *Vice President for External Affairs*
Dylan Glatt, *Chief of Staff*
Autumn McClellan, *Treasurer*
JoEllen McBride, *Secretary*

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Raleigh, N.C.

Charles G. Duckett
Winston-Salem, N.C.

Peter T. Grauer
New York, N.Y.

Kelly Matthews Hopkins
Charlotte, N.C.

Steven Lerner
Chapel Hill, N.C.

Dwight D. Stone
Greensboro, N.C.

Christopher Lambden
EX-OFFICIO
Chapel Hill, N.C.

CAROLINA ANNUAL FUND *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been touched every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campuswide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund.

All gifts to Carolina are included as participation in the Senior Campaign and Annual Fund. Thank you to those who have already made your gift! You can still give online at annualfund.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit annualfund.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Carolina Annual Fund's young alumni social media: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni), and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit youngalumni.unc.edu.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Community Preparedness and Disaster Management
Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African and Afro-American Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Journalism and Mass Communication
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Auditory Learning in Young Children
Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; Russian and East European Studies; School Psychology; Slavic Languages and Literatures; Sociology
Master of Arts in Teaching
Master of Arts in Technology and Communication
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Laws
Master of Physical Therapy
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Marine Sciences;

Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Rehabilitation Counseling and Psychology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Management
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

CANDIDATES *for* GRADUATE DEGREES

December 2013 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Melissa Sue Anderson, *Microbiology and Immunology,* Development of Sociomicrobial Communities: Contact Dependent Growth Inhibition in Burkholderia. Professor Peggy A. Cotter.

Benjamin Christopher Bagley, *Philosophy,* Improvisational Agency. Professor Susan Wolf.

Anna Marie Belle, *Chemistry,* Exploring Local Neuronal Circuitry with Controlled Iontophoresis. Professor R. Mark Wightman.

Stephanie Elaine Bettis, *Chemistry,* Utilizing Ultrafast Spectroscopy to Characterize Energy and Electron Transfer in Ru^{II} Based Molecular Assemblies Designed for Solar Fuel Devices. Professor John Papanikolas.

Lauren V. Biddle, *Political Science,* Corruption in Democratic Brazil. Professor Jonathan Hartlyn.

Will Boone, *Musicology,* Hearing Faith: Musical Practice and Spirit-Filled Worship in a Contemporary African American Church. Professor Jocelyn R. Neal.

Jason Lee Brenner, *City and Regional Planning,* Population Mobility and Livelihood Diversification Among Indigenous Peoples of the Ecuadorian Amazon. Professor Richard E. Bilsborrow.

Naomi Chana Brownstein, *Biostatistics,* Analysis of Time-to-Event Data, Intermediate Phenotypes, and Sparse Factors in the OPPERA Study. Professors Jianwen Cai and Eric Bair.

Ryan Matthew Bullis, *Pharmaceutical Sciences,* Investigating the Role of N-deacetylase/N-sulfotransferase 2 in Heparin Biosynthesis. Professor Jian Liu.

Ryan C. Burk, *Economics,* Technology Upgrading in Imperfectly Competitive Markets. Professor Brian McManus.

Andrea Elizabeth Byrnes, *Biostatistics,* Quantitative Methods for Evaluating Association Between Multiple Rare Genetic Variants and Complex Human Traits. Professor Yun Li.

Ezequiel R. Cabezon, *Economics,* Essays on Monetary Policy in Open Economies. Professor Richard Froyen.

Luke Campagnola, *Neurobiology,* Mapping the Functional Connectivity of the Mouse Anteroventral Cochlear Nucleus. Professor Paul B. Manis.

Johnavae Elaine Campbell, *Education,* The Impacts of Using a Collaborative Evaluation Approach in Higher Education: A Case Study of Local YMCAs Providing College Access Services. Professor Rita O'Sullivan.

Reginald DeVon Cannady, *Neurobiology,* Alcohol Self-Administration and Relapse-Like Behavior: A Functional Role for Enhanced Activity at AMPA Receptors. Professors Clyde W. Hodge and Joyce Besheer.

Whitney P. Caron, *Pharmaceutical Sciences,* The Mononuclear Phagocyte System as a Phenotypic Probe for Nanoparticle Pharmacokinetics and Pharmacodynamics in Preclinical and Clinical Systems. Professor William C. Zamboni.

Avery Ted Cashion, *Biomedical Engineering,* Instrumentation Approaches to Biological System Assessment, Guided MSC Differentiation, and Functional Tissue Engineering. Professor Robert G. Dennis.

Kai Chen, *Chemistry,* A Biomimetic Approach Toward Red Blood Cell Substitutes Based on Print Hydrogels. Professor Joseph M. DeSimone.

Mary Elizabeth Basile Chopas, *History,* Law, Security and Ethnic Profiling: Italians in the United States During World War II. Professor Wayne E. Lee.

Chen-Rui Chou, *Computer Science,* Regression Learning for 2D/3D Image Registration. Professor Stephen M. Pizer.

Kevin Chu, *Pharmaceutical Sciences,* PRINT® Nanoparticle Parameters to Improve Docetaxel PK/PD. Professor Joseph M. DeSimone.

Pei-Hsuan Chu, *Pharmacology,* Dissecting the Role of Kinase Isoforms Using New Tools for Activation and Inactivation of Kinases In Vivo. Professor Klaus M. Hahn.

Wonil Chung, *Biostatistics,* Bayesian Parametric and Nonparametric Methods for Multiple Quantitative Trait Loci (QTL) Mapping and SNP-Set Analysis. Professor Fei Zou.

Jennifer J. Clark, *Biostatistics,* Estimation and Hypothesis Testing with Additive Kernel Machines for High-Dimensional Data. Professor Michael Wu.

Elizabeth Jane Cline, *Chemistry,* Application of Dynamic Combinatorial Chemistry to Identify New Compounds that Bind to G-Quadruplex DNA. Professor Marcey L. Waters.

Caitlin Collins, *Cell and Molecular Physiology,* Understanding PECAM-1-Mediated Mechanotransduction: From The Protein to the Vessel. Professor Ellie Tzima.

Jason Brian Cook, *Neurobiology,* Ethanol Alters the GABAergic Neuroactive Steroid (3á,5á)-3-Hydroxypregnan-20-One (3á,5á-THP or Allopregnanolone) at Local Brain Sites: Significance of Local 3á,5á-THP Increases in the Ventral Tegmental Area. Professor A. Leslie Morrow.

Michael Thomas Corbett, *Chemistry,* Complexity-Building Deracemization and Desymmetrization Methodologies. Professor Jeffrey S. Johnson.

Evan Andrew Couzo, *Environmental Sciences and Engineering,* Air Quality Models and Unusually Large Ozone Increases: Identifying Model Failures, Understanding Environmental Causes, and Improving Modeled Chemistry. Professor William Vizuete.

Taoran Cui, *Physics and Astronomy,* Structural and Physical Properties of Torsional Carbon Nanotube Devices by Electron Diffraction and Microscopy. Professors Sean Washburn and Lu-Chang Qin.

Tianqu Cui, *Environmental Sciences and Engineering,* Secondary Organic Aerosol Formation from Alpha-Pinene and Toluene: Laboratory Studies Examining the Role of Pre-Existing Particles, Relative Humidity and Oxidant Type. Professor Jason D. Surratt.

Tim Cupery, *Sociology,* Government Involvement in Religion: Causes and Effects of Open Religious Markets. Professor Kenneth A. Bollen.

Matthew Kyle Daddysman, *Chemistry,* Fluorescent Microscopy in the Nucleus: Investigating Protein Diffusion and Binding in Live Cells. Professor Christopher J. Fecko.

Stephen Michael Daigle, *Physics and Astronomy,* Low Energy Proton Capture Study of the 14N(p,γ)15O Reaction. Professor Arthur E. Champagne.

Bryan Shroyer Der, *Biochemistry and Biophysics,* Computational Design of Zinc Binding Sites at Protein Interfaces and Enzyme Active Sites. Professor Brian Kuhlman.

Nicholas Carl Dobes, *Chemistry,* The Isolation of Primary Canine Satellite Cells Utilizing Microarray Technologies. Professor Nancy L. Allbritton.

Darrell R. Dubose, *Pharmacology,* P2Y Receptor Trafficking in Polarized Epithelial Cells. Professor Robert A. Nicholas.

Shellie Dawn Ellis, *Health Policy and Management,* Declining Overuse of Hormone Therapy for Localized Prostate Cancer: Predictors of Reimbursement Responsiveness and Emerging Patterns of Care. Professor William R. Carpenter.

Joseph Erba, *Journalism and Mass Communication*, "That's What They See on TV, That's How They View Our Culture." Exploring the Relationship Between Cultural Identification and Media Representations of Latina/os, and Latino Students' Experiences, Identity Development and Relationship With the University They Attend. Professor Lucila C. Vargas.

Kiely Flanigan, *Communication Studies,* Life as a Work of Art: The Becoming of Professional Management Consultants. Professor Steve May.

Jacob Hershel Forstater, *Physics and Astronomy,* Anomalous Protein Aggregation on Nanotubular Titanium Dioxide. Professor Yue Wu.

Jacob Richard Fowler, *Mathematics,* Rational Homology Disk Smoothing Components of Weighted Homogeneous Surface Singularities. Professor Jonathan Wahl.

David Fragoso Gonzalez, *Economics,* Essays on Applied Information Economics Theory. Professor Gary Biglaiser.

Charles Brandon Frederick, *Biomedical Engineering,* Segmenting the Male Pelvic Organs from Limited Angle Images with Application to ART. Professors David S. Lalush and Stephen M. Pizer.

Lisa Ann Goble, *Public Policy,* Evaluating the Influence of University Organizational Characteristics and Attributes on Technology Commercialization. Professor Maryann P. Feldman.

Qi Gong, *Statistics and Operations Research,* Three Stochastic Models for Order Book Dynamics. Professor Vidyadhar Kulkarni.

Adam David Gracz, *Cell and Molecular Physiology,* Intrinsic and Extrinsic Regulation of Potency in the Intestinal Stem Cell Niche. Professor Scott T. Magness.

Beezly Sultana Groh, *Biochemistry and Biophysics,* A Role for the CRL4-WDTC1 E3 Ligase in the Suppression of Adipogenesis. Professor Yue Xiong.

Mahua Guha, *Business Administration,* Dynamics of Organizational Routines in Declining Firms When Compared to Their Matched Survivors: In the U.S. Chemical and Allied Products Industry (SIC: 2800). Professor Hugh O'Neill.

Min Jin Ha, *Biostatistics,* Graphical Models for High Dimensional Genomic Data. Professor Sun Wei.

E. Ashley Hall, *English,* Emergent Design: Tracing and Studying Knowledge Transfer Through Composition Networks. Professor Daniel Anderson.

Hye-Sung Han, *City and Regional Planning,* A Longitudinal Analysis of the Linear and Nonlinear Impacts of Housing Abandonment on Neighborhood Property Values. Professor William M. Rohe.

Katy Margaret Harper, *Psychology,* An Investigation of the Relationship Between Therapist Characteristics and Alliance in Group Therapy for Individuals with Treatment-Resistant Auditory Hallucinations. Professor Davie L. Penn.

Guy Aaron Hobbs, *Biochemistry and Biophysics,* Regulation of Ras and Rho GTPases by Post-Translational Modification: Cysteine Oxidation and Ubiquitination. Professor Sharon L. Campbell.

Jameson Holden, *Biomedical Engineering,* Sensory Perceptual Metrics: Design and Application of Biologically Based Methods for the Assessment of Systemic Cortical Alterations. Professor Mark Tommerdahl.

Patrick Emmet Horn, *English,* Narrative Empathy for "the Other" in American Literature, 1845–1945. Professor Rebecka R. Fisher.

Devin Kerry Hubbard, *Biomedical Engineering,* Electroceutical Technology: Anti-inflammatory Effects of 40-160 T/S Inductively Coupled Electrical Stimulation (ICES) in the Acute Inflammation Model. Professor Robert G. Dennis.

Lauren Parker Huff, *Pharmacology,* Impact of Subcellular Localization on Oncogenic Functions of the RhoGEF Ect2 and on Its Rho GTPase Targets. Professor Adrienne D. Cox.

Danielle N. Johnson, *English,* "I'm Glad I Gave All My Heart": The Fiction of Lee Smith. Professor Minrose C. Gwin.

Adam W. Jordan, *Education,* A Cluster-Analytic Approach to Understanding the Life Values of North Carolina Public Alternative School Teachers. Professor Melissa S. Miller.

Zakaria S. Khondker, *Biostatistics,* Bayesian Penalized Methods for High-Dimensional Data. Professors Joseph G. Ibrahim and Hongtu Zhu.

David William Kikuchi, *Biology,* Mechanisms of Adaptation in Coral Snake Mimicry. Professor David W. Pfennig.

Justin Robert Kirschbrown, *Materials Science,* Direct Imaging of Ultrafast Charge Carrier Dynamics in Semiconducting Nanowires Using Two-Photon Excitation and Spatially Separated Pump-Probe Microscopy. Professor John M. Papanikolas.

Rachel Kitson, *School Psychology,* An Examination of Variations of Verbal Memory Performance in a Population of Children Who Have Been Maltreated. Professor Steve E. Knotek.

Pamela Whitney Klein, *Epidemiology,* An Evaluation of an Expanded HIV Testing Program in North Carolina Sexually-Transmitted Disease Clinics. Professors William C. Miller and Peter A. Leone.

Elizabeth R. Knight, *Neurobiology,* Immune Molecules Regulate Medulloblastoma and Neuronal Apoptosis. Professor Mohanish Deshmukh.

Ahyeon Koh, *Chemistry,* Nitric Oxide-Releasing Polyurethane Membranes for Implantable Electrochemical Glucose Sensors. Professor Mark H. Schoenfisch.

Kimberly Noelle Kutz, *History,* Lincoln's Ghosts: The Posthumous Career of an American Icon. Professor John F. Kasson.

Hillary Anne Langley, *Psychology,* The Socialization of Children's Memory: A Longitudinal Examination of Maternal Elaborative Conversational Style, Children's Autobiographical Memory, and Children's Deliberate Memory Performance. Professor Peter A. Ornstein.

Rylan Scott Larsen, *Cell and Molecular Physiology,* Subtype-Specific Roles for Presynaptic NMDA Receptors in Experience-Dependent Plasticity and Visual Cortical Development. Professor Benjamin D. Philpot.

Hana Lee, *Biostatistics,* Marginal Structural Cox Models with Case-Cohort Sampling. Professors Michael G. Hudgens and Jianwen Cai.

Nelson Lee, *Statistics and Operations Research,* Design and Control of Service Centers. Professor Vidyadhar G. Kulkarni.

Jessica Kate Levy, *Maternal and Child Health,* The Public and Private Sector Family Planning Supply Environments and Their Influence on Contraceptive Use in Urban Nigeria. Professor Sian L. Curtis.

Jiang Li, *Health Behavior,* Understanding Pathways to Weight Loss Among Employees and Organizations Enrolled in the WAY to Health Worksite-Based Weight Loss Study. Professor Laura Linnan.

Rachael Marie Liesman, *Microbiology and Immunology,* Impact of the Non-Structural 2 Protein on Respiratory Syncytial Virus Pathogenesis. Professor Raymond J. Pickles.

Lauren Stone Ligon, *Microbiology and Immunology,* Suppressor Analysis to Identify Proteins that Work with the Mycobacterium smegmatis SecA2 Protein Export System. Professor Miriam Braunstein.

Ja-an Lin, *Biostatistics,* Statistical Methods for Imaging Genetic Data. Professors Hongtu Zhu and Joseph G. Ibrahim.

Gregory A. Lipton, *Religious Studies,* Making Islam Fit: Ibn 'Arabi and the Idea of Sufism in the West. Professor Carl W. Ernst.

Lan Liu, *Biostatistics,* Causal Inference With Interference. Professor Michael G. Hudgens.

Christian Loew, *Philosophy,* Causation and Other Asymmetries in Time. Professor Laurie Paul.

Yen Sia Low, *Environmental Sciences and Engineering,* Toxicity Prediction Using Multi-disciplinary Data Integration and Novel Computational Approaches. Professors Alexander Tropsha and Ivan Ruysn.

Shawn Michael Lyons, *Biology,* Post-Transcriptional Regulation of Histone mRNAs at the Level of Decay and 3' End Processing. Professor William F. Marzluff.

Brittain Lynn Mahaffey, *Psychology,* Evaluating a Cognitive-Behavioral Model of Pathological Mirror Gazing: Implications for the Maintenance of Anxiety and Appearance Dissatisfaction in Body Dysmorphic Disorder. Professor Jonathan S. Abramowitz.

Meredith Marie Malburne-Wade, *English,* Revision as Resistance in 20th-Century American Drama. Professor Maria DeGuzman.

Sarah Elizabeth Marsh, *English,* The Regency Novel and the British Constitution: Austen, Brunton, Shelley and the Culture of Romantic Decline. Professor Jeanne Moskal.

Eliza Mason, *Microbiology and Immunology,* Virulence Gene Regulation in Bordetella. Professor Peggy A. Cotter.

Emily Elizabeth McKendry-Smith, *Sociology,* Old Gods, New Religions and Modern Marriages in Nepal. Professor Lisa D. Pearce.

Ian James McNeil, *Chemistry,* Investigation of Dispersive Kinetics in the Time-Dependent Photoluminescence of Dye-Sensitized Nanoparticle Films. Professor Christopher J. Fecko.

Cheryl Naomi Miller, *Microbiology and Immunology,* A Genetic and Biochemical Approach to Identify Function of Novel Proteins in Francisella tularensis. Professor Tom H. Kawula.

Kylee Marie Miller, *School Psychology,* Weighing in on the Relationship Between Macronutrient Intake, Weight Status, Cognitive Functioning, and Academic Performance in School-Aged Children. Professor Rune J. Simeonsson.

THE CHANCELLOR'S MEDALLION

The chancellor's medallion, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. This year, the medallion was updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of the 10 previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE FIRST CAROLINA DIPLOMA

In September 1796 Carolina student Davie Gillespie began working with a group of men to determine the Southern boundary of the United States. His instructors gave Gillespie a document to carry as proof that he had been a student at the University of North Carolina. The document, now in the Library of Congress, was signed by his professors and ended with the statement, "We thought it proper to give him this certificate."

The University's first graduating class in 1798 included Hinton James, the first student to enroll. Seven men received the first documents that by today's standards can be called UNC–Chapel Hill diplomas. One of the original diplomas is in the Southern Historical Collection in Wilson Library.

During the University's early years, commencement at Carolina was a time for examinations and promotions to higher classes. There was a commencement, but no degrees awarded and no graduation.

Angela Marie Mitchell, *Microbiology and Immunology,* Modulation of Adeno-Associated Virus Transduction by the Promyelocytic Leukemia Protein, Arsenic Trioxide, and Proteasome Inhibitors. Professor Richard Jude Samulski.

Irina Mordukhovich, *Epidemiology,* Vehicular Traffic Exposure to Polycyclic Aromatic Hydrocarbons and Breast Cancer Risk. Professor Marilie Gammon.

Alane Elizabeth Murdock, *Maternal and Child Health,* Breastfeeding and Contraceptive Use: Analysis of a Statewide Survey. Professor Miriam Labbok.

Alison Colleen Neff, *Communication Studies,* Generation "Fly to Fly": Urban Transformation, New Cosmopolitanism, and the Politics of Women's Voicing in Dakar, Senegal. Professors Christopher T. Nelson and Lawrence Grossberg.

Jerrod Allen Nelms, *Epidemiology,* Unemployment Change and Homicide: An Exploration of the National Violent Death Reporting System. Professor David Richardson.

Myoung-Ryul Ok, *Materials Science,* Soft Lithographic Patterned Architectures in Dye Sensitized Solar Cells. Professor Edward T. Samulski.

Matthew James O'Meara, *Computer Science,* A Features Analysis Tool for Assessing and Improving Computational Models in Structural Biology. Professor Jack S. Snoeyink.

Erol James Ozmeral, *Psychology,* The Effects of Hearing Impairment in the Ability to Glimpse Speech in a Spectro-Temporally Complex Noise. Professor Joseph W. Hall III.

Walter Edward Palmer, *Human Movement Science,* Changes in Physical Activity In Community-Dwelling Older Adults Associated With the Matter of Balance Volunteer Lay Leader Model Program. Professor Vicki S. Mercer.

Jia Pan, *Computer Science,* Efficient Configuration Space Construction and Optimization. Professor Dinesh Manocha.

Timothy David Perry, *Psychology,* Relationships Between Sub-Clinical Autistic Traits, Cognitive Substrates, And Social Functioning in a Typically Developing College Sample. Professor David L. Penn.

Nathan D. Pfeifer, *Pharmaceutical Sciences,* Impact of Hepatic Transporter Multiplicity and Loss-of-Function on Hepatocellular Distribution and Excretion of Drugs. Professor Kim Brouwer.

Bradley David Proctor, *History,* Whip, Pistol and Hood: Ku Klux Klan Violence in the Carolinas During Reconstruction. Professor W. Fitzhugh Brundage.

Elizabeth Anne Proctor, *Bioinformatics and Computational Biology,* Inhibiting the Formation of ALS-Relevant SOD1 Oligomers. Professor Nikolay V. Dokholyan.

Chaitanya Prakash Puranik, *Oral Biology,* Effect of Fluoride on Parathyroid Hormone Secretion. Professor Eric T. Everett.

Tracy Michelle Raines, *Biology,* Defining the Role of the Cytokinin Response Factors (CRFs) in Arabidopsis thaliana. Professor Joseph Kieber.

Naim Ur Rashid, *Biostatistics,* Model-Based Approaches for the Detection of Biologically Active Genomic Regions From Next Generation Sequencing Data. Professors Joseph G. Ibrahim and Wei Sun.

Neal R. Rasmussen, *Genetics and Molecular Biology,* Elucidating the Role of the Receptor Tyrosine Kinase Ror2 Within the Wnt Pathway And Its Contributions to Renal Cell Carcinoma Tumorigenesis. Professor W. Kimryn Rathmell.

Sumita Rege, *Occupational Science,* Looking Beyond: A Study of Blogging and What It Tells Us About Occupations. Professor Ruth Humphry.

Bryan Timothy Richardson, *Pharmacology,* Defining the Molecular Mechanisms of the Cerebral Cavernous Malformation Proteins. Professor Gary L. Johnson.

Ned Richardson-Little, *History,* Between Dictatorship and Dissent: Ideology, Legitimacy, and Human Rights in East Germany, 1945–1990. Professor Konrad H. Jarausch.

Joseph E. Rittiner, *Pharmaceutical Sciences,* Extracellular and Intracellular Regulation of G Protein-Coupled Receptor Signaling. Professor Mark J. Zylka.

Lindsay Faircloth Rizzardi, *Genetics and Molecular Biology,* Epigenetic Factors are Dynamically Regulated Throughout the Cell Cycle and are Required for Efficient DNA Replication. Professor Jeanette G. Cook.

Ryan Rogers, *Mass Communication,* "i" Play: The Psychological Effects of Customized Feedback in Videogames. Professor Sriram Kalyanaraman.

Jason Micah Roos, *Sociology,* Knowledge, Science, and Religion in the United States: An Analysis of Factors That Contribute to Acceptance and Rejection of Contested Knowledge at the Intersection of Science and Religion. Professors Kenneth A. Bollen and Andrew J. Perrin.

Virginia Senkomago, *Epidemiology,* The Role of Human Papillomavirus (HPV) Viral Load in Penile HPV Infection and Clearance in Young Kenyan Men. Professor Jennifer S. Smith.

Julia Madeleine Shadur, *Psychology,* Parent Emotion Socialization and Emotion Regulation in Substance Abusing Families. Professor Andrea M. Hussong.

Jeremy Simon, *Bioinformatics and Computational Biology,* Characterization of Chromatin Dysregulation in Cancer Through Analysis of Fresh and Archival Human Samples. Professor Ian J. Davis.

Danielle Lynaé Slomberg, *Chemistry,* Role of Nanomaterial Physicochemical Properties on Fate and Toxicity in Bacteria and Plants. Professor Mark H. Schoenfisch.

Elizabeth Parish Smith, *History,* Southern Sirens: Disorderly Women and the Fight for Public Order in Reconstruction-Era New Orleans. Professor Jacquelyn D. Hall.

Heidi Marie Soeters, *Epidemiology,* The Effect of Tuberculosis Treatment at the Time of Combination Antiretroviral Therapy (cART) Initiation on Response to cART Among HIV-Infected Individuals. Professor Annelies Van Rie.

Jessica A. Sorrentino, *Toxicology,* The Effects of Chronic and Acute Toxicological Exposures on the Expression of the Tumor Suppressor p16INK4a. Professor Norman E. Sharpless.

Erin Cathleen Steinbach, *Microbiology and Immunology,* Macrophage Phosphoinositide 3-Kinase p110δ Regulates Intestinal Homeostasis by Directing Adaptive Immunity and Enhancing Microbial Clearance. Professor Scott E. Plevy.

Wesley Langdon Storm, *Chemistry,* Combined Bactericidal/Bacterial Adhesion-Resistant Coatings Through Nitric Oxide Release. Professor Mark H. Schoenfisch.

Joseph Patrick Tighe, *Computer Science,* Towards Open-Universe Image Parsing With Broad Coverage. Professor Svetlana Lazebnik.

Michael August Tycon, *Chemistry,* The Development and Implementation of Microscopy Strategies for Investigating Protein Diffusion and Chromatin Binding. Professor Christopher J. Fecko.

Jolien Suzanne Tyler, *Biology,* The Dynamic Chromatin Landscape in Saccharomyces cerevisiae. Professor Kerry S. Bloom.

Eric Scott Ubil, *Cell and Molecular Physiology,* p53 Mediated Mesenchymal-to-Endothelial Transition is a Novel Mechanism of Vasculogenesis After Ischemic Cardiac Injury. Professor Arjun Deb.

Eugene Urrutia, *Biostatistics,* The Statistical Analysis of Genetic Sequencing and Rare Variant Association Studies. Professor Michael C. Wu.

Meagan Fluet Vaughn, *Epidemiology,* Tick-Borne Diseases in North Carolina: Seroepidemiology of Spotted Fever Group Rickettsiae and Prevention of Tick Bites Among Outdoor Workers. Professor Steven R. Meshnick.

Karthik Veeraswami Natarajan, *Business Administration,* Managing Humanitarian Operations: The Impact of Amount, Schedules and Uncertainty in Funding. Professor Jayashankar M. Swaminathan.

Mark Vitucci, *Genetics and Molecular Biology,* Molecular Characterization of Murine Models of Astrocytoma. Professor C. Ryan Miller.

Qian Wang, *Computer Science,* Registration of Brain MR Images in Large-Scale Populations. Professor Dinggang Shen.

Erica Jania Washington, *Biology,* Characterization of the Role of Pseudomonas syringae Type III Effector HopAF1 in Virulence. Professor Jeff Dangl.

Audrey Marie Wells, *Psychology,* Intracellular Mechanisms of Cocaine-Memory Reconsolidation in the Basolateral Amygdala and Dorsal Hippocampus. Professor Rita A. Fuchs Lokensgard.

Isaac Thomas Westfield, *Marine Sciences,* Mineralization of Anthropogenic CO2 Via Water-Gas-Rock Reaction. Professor Justin Ries.

Martin Charles Whittle, *Pharmacology,* Targeting the Triple-Negative Breast Cancer Kinome With Chemical Proteomics. Professor Gary L. Johnson.

James Franklin Williamson, *History,* Memory With "No Clear Answers." Volkstrauertag, Opfer des Faschismus, and the Politics of Publicly Mourning the War Dead in Germany, 1945–1972. Professor Konrad H. Jarausch.

Katie J. Wolfe, *Cell and Developmental Biology,* Chaperone Mediated Protective Protein Aggregation and Spatial Quality Control. Professor Douglas M. Cyr.

Brittany Danielle Wright, *Pharmaceutical Sciences,* Lipid Kinase Regulation of Nociceptive Signaling and Sensitization: Implications for Analgesic Drug Development. Professor Mark J. Zylka.

Jinghe Zhang, *Computer Science,* Uncertainty-Driven Adaptive Estimation With Applications in Electrical Power Systems. Professor Gregory F. Welch.

Jinsheng Zhou, *Chemistry,* Single Molecule DNA Manipulation and Analysis Using Nanofluidic Circuits. Professor John M. Ramsey.

Ruoqing Zhu, *Biostatistics,* Tree-Based Methods for Survival Analysis and High-Dimensional Data. Professor Michael R. Kosorok.

Baiming Zou, *Biostatistics,* Robust and Efficient Statistical Inference for Clustered Observational Data in Comparative Effectiveness Research. Professor Haibo Zhou.

DOCTOR OF PUBLIC HEALTH

Angeli Prakash Achrekar, *Health Policy and Management,* Saving Mothers, Giving Life: An Assessment of a Partnership for Making Progress Toward Sustainable Reductions in Global Maternal Mortality. Professor Edward L. Baker Jr.

Kerry Bruce, *Health Policy and Management,* Use of Mobile Technology for Monitoring and Evaluation in International Health and Development Programs. Professor John E. Paul.

Randi Ellen Kaufman, *Health Policy and Management,* "Bend a Little to Move It Forward." Pro-Social Rule Breaking in Public Health Practice. Professor Bruce Fried.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2013

The School of Law
ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR
Jaha Nailah Avery
Joshua Sprigg Torell

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE
Suzanne Barakat
Desmina A. Hamilton
Benjamin Scott Harris
Michael Fei Huang
Alan B. Shaw

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Zachary Tyler Tackett

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

A MESSAGE *to* CAROLINA'S NEWEST ALUMNI

Congratulations! You are now graduates of the University of North Carolina at Chapel Hill. Let your General Alumni Association help you make a seamless transition from students to alumni — no matter where you find yourselves after graduation. Visit alumni.unc.edu/youngalumni.

GETTING STARTED

Don't miss out on special invitations and services. Call (877) 377-7125 or visit alumni.unc.edu/update to keep your official University record updated. Jump start your network with Carolina alumni — join the GAA's groups on Facebook and LinkedIn.

ALUMNI CAREER SERVICES

Networking is the most effective approach to finding a job. The GAA can connect you with more than 7,000 alumni volunteers in our Alumni Advisor Network who can help you explore career options.

GAA members from the Class of 2013 have unlimited access (phone, email or in person) to the GAA's certified career coach for one year following graduation. If you're thinking about grad school, GAA members also receive discounts on Kaplan prep courses.

FINDING OTHER TAR HEELS IN YOUR AREA

- Local Carolina Clubs can be found in nearly 100 cities around the globe. Socialize, network, cheer on the Heels and continue that spirit of Tar Heel service within your community.
- The GAA's Online Alumni Directory can help you develop a network like no other. The directory includes nearly 270,000 former Carolina students.

TRUSTED INFORMATION SOURCE

The "Carolina Alumni Review," the "Out of the Blue" e-newsletter, the GAA's Twitter feed and alumni.unc.edu can keep you updated on the University's achievements and challenges as well as what's going on in Chapel Hill.

Congratulations again. We hope you'll choose to join the nearly 67,000 GAA members who remain connected and help serve Carolina and our students — past, present and future. The GAA offers new grads a one-year membership for only $25 — a $20 savings off our annual dues rate. Or save $50 on life membership — only $28.25/month for 24 months.

For more information on how the Association serves new graduates, please call Brandon Copeland '12 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2013

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Chemistry
Allison Jean Hulchanski

Communication Studies
Ali Reza Eshraghi

Education
Yongmei Li
Zhongwan Wang

English
Maria Jose Obando

Exercise and Sport Science
William Wyatt Little
John Peter Manor

Geography
Jill Marie Furgurson

German Studies
Erin Marie Merritt

Linguistics
Matthew Everette Fuller
Justin David Pinta

Mass Communication
Mika Wynne Chance
Sarah Elizabeth Davidson-Palmer
Margaret A. Eason
Leticia Nigro Mazon

Political Science
Heather-Leigh Kathryn Ba
Kristin Nicole Garrett
Jacqueline Lindsay Tello
Melinda Nicole White

Psychology
Kathryn Carrie Adair
Domenic Hayden Cerri
Benjamin Reid Cox
Lee Wade Hutson
Ryan Jane Jacoby
Shawn Christopher Tracey Jones
Laura Elizabeth Kurtz
Hally O'Connor Quinn
Elise Lynn Rice

Public Policy
Ashley Beth Chaifetz
Lauren Elizabeth Lanahan
Kathleen Egan Lawlor
Daniel Pieter Smith

Religious Studies
Travis Wayne Proctor

Sociology
Daniel Auguste
Courtney Elizabeth Boen
Raquel Zanatta Coutinho
Bruce O'Brian Foster
Karen Raquel Gerken
Rosemary Angelina Russo
Kristen Marie Schorpp
Hajar Yazdiha

Technology and Communication
Hooper Alexander IV
Robert Brian Bowman
David Andrew Cagle
Darin Kate Dillehunt
Teresa Marguerite Kriegsman
Julianne Goulding Macie
Jillian Elizabeth Powell
Jeffrey Michael Shaw
Lisa Ann Stockman
Franklin Delano Taylor Jr.
Melissa Kerney Umbarger
Xiaoxin Zhu

MASTER OF CITY AND REGIONAL PLANNING
Uri Ayal Pachter
Bethany J. Windle

MASTER OF SCIENCE

Biomedical Engineering
Arthi Kannan
Lili Xu

Biostatistics
Noory Kim
Nicole Antoinette Mack

Chemistry
Trey Thomas Archer
Robert Joseph Brown

Computer Science
Ren Alexander Bauer
Richard Eric Gavaletz Jr.
Jared Scott Heinly
Yi Hong
Sujeong Kim
Sean Sanders

Economics
Laura Elizabeth Jackson
Keith McKenzie Johnson
Benjamin David Labe
Daniel F. Soques
Burcu Tasdemir
Huan Zhou

Environmental Sciences and Engineering
Tianqu Cui
Carrie Blomquist Doyle
Benjamin Thomas Foster
Yi Liu
Megan Marie Nunes

Geological Sciences
Adam Charles Curry
Zachary Fritz Miller
David Christopher Walters

Mathematics
Jacqueline Ann Stone

Occupational Therapy
Johanna Ludwig
Michelle Lynne Reed
Emily Kathryn Rexrode

Pediatric Dentistry
Maggie Wright Fetner

Physics
Joshua Thomas Fuchs
Keegan John Kelly
Jack Andrew Silano
Kyle Patrick Slinker

Speech and Hearing Sciences
Rachel B. Fann
Maureen Feldbaum

Statistics and Operations Research
Yan Jin
Amit Kumar
Zhankun Sun
Zhuzhu Zhang

The Kenan-Flagler Business School

ESTABLISHED 1919
Interim Dean John P. Evans

MASTER OF BUSINESS ADMINISTRATION
Almira Abbas
Heather T. Antonucci
Warren Steven Aronson
Telmo Alberto Arrue Mendizabal
Jacob Todd Bancino
Jefferson L. Barefoot
Aaron Lee Barr
Sangeeta Bhagwanani
Catherine W. Bing
Benjamin Roberts Blackwell
Christopher Ryan Bond
Patrick Colin Brennan

COMMENCEMENT MUSIC

The University's beloved alma mater, "Hark the Sound," evokes the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for Carolina. The orchestral marches that accompany the commencement processional are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC-Chapel Hill's visiting dignitaries, faculty and graduates.

During today's commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Candice Wooten Brown
Daniel Craig Brown
Mark Buchanan
Yvonne Marie Cerna
Alexander S. Chu
Brandon Nicholas Coffey
Grey Cook
Brian Patrick Criswell
Bhavesh Dalela
Etzer Darout
Eric Justin Dean
Joshua S. Dronen
John J. Enright
Jesse P. Erhartic
Jerimy Ryan Erickson
William Robert Everett
Christina Ann Felty
Jennifer Fink
Cristina Fitzsimmons
Allison Grace Flexer
James Dwight Freeman
Gabriela Gallegos Paz
Brett William Garcia
John Michael Genthner
Robert J. Gipp
Jesse Grant
Caroline Hope Griffith
Andrew Worth Hardison
Conor D. Hartman
David M. Hemphill
John S. Hines
Robert J. Hogan
Jon Matthew Honeycutt
Thomas B. Huddleston
Timothy Isaacs
Justin V. Ivey
Sonali Nath Jain
Shandra Montgomery Jones
Abhishek Kapoor
Kiran Sulsi Karnik
Jerilin Ellen Paith Kenney
Arjumand Jalil Khan
Robert Labori
Randall Allen Lague
Brent W. Lamm
Susan Lenderts
Jason W. Lorenz
Richard Mark Lovegrove
Leo M. Lunney
Bradley McMahon
Stephen Robert McNeill
Aaron N. McRee
Mahesh Mecheri
Anand Menon
John Michael Mineweaser Jr.
Kshitiz Mittal
Fred Bruton Monroe
Biju Nair
Charles G. Newnam
Patrick Nolan
Samuel A. Oakley
Thomas F. O'Connor
Matthew Allan O'Neal
Roman Antoni Pendzich
Narayanan Raghavan
Ali Razavi
Tyler H. Reed
Michael John Reilly
Chandan Singh Rekhi
Christopher S. Richards
Phillip Lowe Sable
Abhishek Sanghavi
Joshua S. Schachter
Patrick James Schleiger
Brian M. Segel
Amanda Kay Selah
Apurv Sharma
Sonika Singal
Daniel J. Smelser
Khalil Hasan Smith
Matthew Charles Smith
Preston Warren Smith
Angela L. Sox
Eldridge Ned Stafford III
Kevin Stansell
Timpla Stewart Casey
Samuel D. Swiderski
Pravin Y. Tambe
Robert Eric Teague
Richard E. Telleria
Todd Joseph Thayer
Bradley S. Thompson
Brandon Lee Tidwell
Robert M. Turner
Bryan A. Vining
Meredith Murray Wales
Barnabas F. York

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

MASTER OF EDUCATION
Shan Zhang

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Kristen Dunne
James Luxton Harroun
Lauren Lavane Herman
Richard Phillip Medlin Jr.
Molly O'Dwyer
Rachel Elizabeth Trent
Chester Wells

MASTER OF SCIENCE IN LIBRARY SCIENCE
Kelly Jean Agan
Emily Alice Bowden
Jordan Bross
Erin Clary
Lindsay Claire Farinella
Lori Elizabeth Harris
Cherie Evelyn Heiberg
Emily Love Kader
Amanda Lynn Loeb
Alexandra Massey
Cale Michael McCammon
Lisa Ann McCracken
Tarienne Jaynien Mitchell
Paul Arthur Pelletier
Cristina Idalia Perez
Jonathan V. Rountree
Amber Sherman
Jody Seim Timmins
Craig Varley
Rachel Elise Wasserman
Robbin Alese Zirkle

The School of Law
ESTABLISHED 1843
Dean John Charles Boger

MASTER OF LAWS
Muatsam Elagrbi

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

MASTER OF RADIOLOGIC SCIENCE
Allen Falls Abernethy
Elizabeth Pearl Acquafredda
Holley Haynie Carroll
Alice Louise Daras
Genevieve Easley
Steven T. Henshaw
Amanda Jean Iocco

The School of Nursing
ESTABLISHED 1950
Dean Kristen M. Swanson

MASTER OF SCIENCE IN NURSING
Shannon Paige Carey
Tracey Leigh Farmer
Wendy Smith Fields
Elizabeth S. Griffin
Kristin Nicole Levoy
Tenesa Yashica McCaskill-Gainey
Ellen Dale Adams O'Neal
Kaitlin Chrobocinski Pattishall
Caitlin Jean Phillips

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

Karen Winslow Bentley
Anne Clement Pegram Binns
Kathryn Marie Blackmar
Kenji Christopher Brantley
Stephanie Lynn Carner
Edmund Douglas Chan
Brittany Marie Cooper
Donna Greenwood Crenshaw
Kathleen Elizabeth Danner
Linda Whittaker Darden
Spencer David Dorn
Nicole Hardin Dunn
Matthew Steven Everette
Meghan Kathleen Faulkner
Christen Brewer Franks
Dianna Elaine Gardner
Wendy Sue Getchell
William Thomas Hansley
Garrett Aubrey Hartley
Kathryn Elisabeth Hatheway
Ashley Ann Howard
Jessica Rose Johnson
Zehra Jung
Mansoor Khan
Mable Lynn King
Pamela Jo Lail
Whitney Matson
Lorna Edwina Maxwell
Marcelo Jose Miranda
Alexandra Hill O'Brien
Jasmine Elizabeth O'Connell
Alexander David Odea
Jessica Marie Olson
Vivek Parwani
Samuel Macon Rudisill
Marissa Sarv
James Edward Alston Shehi
Anna Lee Sivonda
Troy Donald Spring
Alicia Ann Stokes
Jesse T. Thomas
James Bradley Willis

MASTER OF PUBLIC HEALTH

Dolores Galaz Addison
Oluwafunmilola Bamidele Alabi
Kristina Mikhail Alnajjar
Krista Arlington Barbour
Hadi Beyhaghi
Julie Ann Boggs
Windy Ann Boyd
Lauren Ashley Brooks
Kristen L. Broom
Barbara Ann Burke
Mardel Marie Chinburg
Catherine Morgan Coughlin
Mary Claire Creech
Elizabeth Louise Davies
Anna Kathryn Dean
Anna Laura Dill
Olivia M. Dong
Colby Droubi
Chigozie Chinna Ekpe
William J. Flattery
Alison H. Frazzini
Rebecca Elaine Freeman
Kate Monroe Garand
Esther Karen Giezendanner
Carrie Leigh Hamby
Natalie Chantelle Hardy
Heidi Anne Harkins
Kari Noel Harris
Jennifer Ann Herbert
Kimberly Louise Hood
Jennifer Scoville Huff
Christine Marie Hunt
Tara Pierce Ilsley
Joan Cody Jacobs
Amal Khoury
Christopher K. Lippincott
Barbara Rochelle Listenfelt
Courtney Rose Locklear
Ella Vongai Madenyika
Zinaida Mahmutefendic
Hannah Elizabeth Martin
Kaitlin Elizabeth McCormick
Kathryn L. Melvin
Kevin Todd Miller
Anne Mittnacht
Susan Elizabeth Moist
Dawn Milette Mopkins
Katelin Hairgrove Moran
Virginia Radford Niehaus
Elyse Carmen Nieves
Chukwunonso Anthony Nwosu
Obinna Jude Okeke
Daniel A. Ozaki
Bianca Yogesh Patel
Ranjini Pillai
Nellie Placencia
Amber Rae Pulaski
Dawn Maureen Reilly
Brent Eugene Rutland
Elizabeth Ann Sanders
Laura Beth Schoenfeld
Karen M. Siemering
Jennifer Lynn Sohl
Megan M. Squires
Peter Richard Steenland
Cecilee Regina Page Steinmetz
Sarah Elizabeth Stickley
Scott Allen Welch
Yu-I Weng
Andra Wilkinson
Eric Thomas Wittbrodt
Alisha Patrice Wolf
Kathleen C. Wood
Caroline Baugh Yancey

MASTER OF SCIENCE IN CLINICAL RESEARCH

Timothy Fortescue Platts-Mills
Ralf Steffen Schmid

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

John Jihoon Kim
James Burton McCann

MASTER OF SCIENCE IN PUBLIC HEALTH

Greta Alleyne Bushnell
Melissa Gayle Callaham
Lynn Suzanne Chollet Hinton
Rachel M. Davis
Meridith L. Eastman
Kathleen Missett Harper
Nigar Hasanaliyeva
Lauren Mary Hill
Briana Lee Fisler Hovermale
Roger Emron Jerry
Nathaniel S. MacHardy
Nadia Nguyen
Alice Kelton Pollard
Alyse Ellienne Polly
Bianka Monique Reese
Abigail Samara Wiener Shapiro
Jean Marie Strelitz
Laura Patricia Villa-Torres

The School of Social Work

ESTABLISHED 1920

Dean Jaek M. Richman

MASTER OF SOCIAL WORK

Jane Hoffman Atmatzidis
Jeanne Kay Cross
Katelin Hairgrove Moran
Nellie Placencia
Alice Kelton Pollard
Melea April Rose-Waters
Megan M. Squires
Lauren Elisabeth Stafford
Alisha Patrice Wolf

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

CANDIDATES *for* BACCALAUREATE DEGREES

December 2013

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African and Afro-American Studies
Rujahyat Temilade Ademola
Kathryn Louise Krahenbuhl*

American Studies
Christopher Mark Breedlove
Shakita Marie Chavis-Moss
Reid Thomas Fronk
Kirstin Elizabeth Gardner*
Thomas Andrew Kleeman Melton*

Anthropology
Carey Sloane Averbook*
Isabel Helen Chasse*
Jessica Antoinette Diggs
Adrienne D. Franz*
Tyler S. Johnson
Kirstin Anna Lewis
Logan Aaron Parrish-Lopez
Divya Ravi
Robert Elliot Seck
Marie Ashley Joanne Villard*

Archaeology
Lyle Michele Bass

Art History
Hannah Morgan Clager
Amanda Carol Klinck
Abdulkarim Babatunde Mohammed

Asian Studies
Taylor Michelle Draughn
Aya Khaled El Khatib
Roxanne H. Estrada
Priyank Subhash Patel
Sara Marie Sandman

Biology
Pualani Marie Armstrong
Andrea Alexis Barreto
Jessica Antoinette Diggs
Caitlyn H. Dixon
Brian Vaughn Gallagher
Jacob Lynn Gilgen
Shakeila L. Jones
Carson Alana Kasovic
Justin Joseph May
Nettie Ellen McMiller
Tyler Jake Moser-Katz
Dara Jane Myers
Melissa Ann Price
Kelsey Elaine Rochford
Dennis Richard Self III
Natalie Paige Smith
Benjamin Albert Theye
Jordan Michael Tony
Emmanuella Turkson
Michael Alan Vincent
Dustin R. Williams
Karin Katherine Yao
Randa Zoubairi

Chemistry
Christopher Fosque Dell
Sagi Enicole Alday Gillera
Tyler S. Johnson
Shawn Appiah Kuruganti
Katherine Marie McCann
Stav Itzhak Nave
Krutika Trilok Pillai
Chelsea Ann Roof
Inhye You

Classics
Matthew Anatole Cooper*
Jesse David Hopkins

Communication Studies
Katherine Smith Arrants
Anthony Jerwade Blue
Jayestin Trevon Boston
Megan Lynn Brigman
Rebecca Juliana Brock
Chauncey Lindell Bruton
Stephen Grist Burns
Kara Rose Cannizzaro
Robin Dale Everett
Breada Anne Farrell
Christopher Gardner
Jaclyn Alexis Gaudioso-Radvany
Jordan Scott Graham
Hannah Elizabeth Heidenreich
Morgan Taylor Joyner
Jonathan Timothy Kasbe*
Amanda Carol Klinck
Aaron Thoerner Kurland*
Taylor Caroline Lacey
Lauren Ashley Livingston
Nathan Jeremy Logan
Sinead Roseanne Loughran
Daniela Madriz
Chelsea Markovich
Holly Corinne Mehaffey
Mballa Marie-Gabrielle Mendouga
Elizabeth Barkley Minton
Bianca Lynette Miramontes
Obiageli C. Nneji
Jalita-Gregelle Nelson Norwood
Sean A. Overbeeke
Aleigha Brittany Page
Douglas William Pass
Bryn Kenneth Renner
Adam Cameron Roper
Robert Adderson Scott
Josette Sophia Styles
Camille Symone Thomas
Alexander Joseph Walters

Comparative Literature
Jennifer Elizabeth Drees*

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

UNDERGRADUATE HONORS PROGRAM

The Honors Program offers exceptionally well-qualified first-year students, sophomores and juniors an opportunity to take part of their general education curriculum in special honors seminars and honors sections. Honors seminars are special topics courses, limited in enrollment to 15 students and taught by outstanding members of the University faculty. Honors sections of regular departmental course offerings are also limited in enrollment and are taught by permanent members of the University faculty. Honors seminars and sections emphasize critical reading, class discussion and expository writing.

Senior departmental honors programs are provided for students who have demonstrated a very high level of scholastic ability and achievement and who desire to pursue an intensive, individualized program of study in their major discipline. Honors studies ordinarily consist of one or more of the following: the preparation of an honors thesis or essay, an independent research or reading program, an artistic performance or exhibition, or the completion of advanced course work in the major not normally required of students in that major. It is on the basis of participation in senior honors that a student may be graduated from the University "with Honors" or "with Highest Honors."

Kathryn Alyssa Pribble*

Computer Science
Gerardo Gonzalez
Daniel Royce Powell
Morgan Brooke Talley

Contemporary European Studies
Christina Jaye Sartori

Dramatic Art
Brittney Michelle Holland*
Paul Sunao Hovey
Jessica Lynn Leach*
Obiageli C. Nneji
Turner Hamilton Popalis
Elena Sarah Versenyi

Economics
Chad Ammenheuser
Thomas Christopher Byrd
Rocky Chen
Preston Gary Christy
Charles Preston Cranford
Caleb Daniel Dagenhart*
Alexander Warren Exum
Kirstin Elizabeth Gardner*
Mark Tyler Goodpaster
Ryan Edward Goodwin*
Matthew Brian Gromadzki
John Wesley Groves
Travis Alan Hollingsworth
Brandon Yates Howell
Jiahui Huo
SuJi Hwang*
Angela Jiang
Turner-Marie Lynn Johnson*
Dillon Michael Joyce
Travis Paul Keene
Brandon Kennedy
Samer Adel Khatib*
Cameron Jacob Gellin Klein
Andrew Thomas Krajewski
Nirav Vanraj Lakhani
Adam Que Lee
Aaron Samuel Lutkowitz*
Joseph Alexander Marley
Francisco Javier Martinez
Christopher D. Mauch
Cynetra Daniele McNeill
William Robert Parker
Darshan Kamleshkumar Patel
Nikhil Patel*
Taylor Michael Smiarowski
Hao Sun*
Luxi Tang*
Russell Carsby Thornton*
Ryan William Tyson
Mark Jeffrey Werner
Jinghao Zhou*
Zihua Zhou

English
Joshua T. Bellamy
Erin Marie Bourne
Anna Marie Breazeale
Phoebe Elaine Bulls
James Austin Cooper
Sarah Bain Dillard
Brian Carter Gaj
Chase Tyler Hanes*
Kristel Noelle Harlacher
Brittney Michelle Holland*
Kandace Renae Landers
Tyler J. Lindley
Hannah L. Long
Mia Elizabeth Nance*
Emon Melaniece Northe
SarahLewis Elizabeth Peel*
Mark Alixander Sabb
Nicole M. Stockburger*
George Summers
Borislav Viktorovich Tarasenko
Jerrika Lorraine Waller
Darius Jerome Watson

Environmental Studies
Justin Allen Miller
Jordan Michael Tony

Exercise and Sport Science
Christian Devon Bragg
Anne Lauren Brenneman*
Whitney R. Byrd
Heesoong Chae
Roberto Juventino Diaz
Daniel Lynn Galloway
Bryan Davis Gutierrez
Kaylah Erickson Hughes
James Winston Hurst
Yasmin Irizarry
Michael C. Irvin
Timothy Z. Jackson
Sarah Jarvis
Kamran Javadi
Kacee Nicole Little
James Matthew Lloyd
Hussein Aliye Mane Jr.
Christopher Scott Mitchell
Shane Michael Mularkey
Dallin Scott Page
Charles James Painter
Jabari A. Price
Lance William Randles
Meagan Elizabeth Rock
Terry Leroy Shankle
Shane Taylor*
Lauren Rogers Thorp*
Lydia E. Vargas
Alexander John Walters
Alace Rebecca Weiss
Barrett Conrad Winter
Sho Yamagishi
Cailin Anne Zygmuntowicz

Geography
Christopher Mark Breedlove
Au-Rahm Jo
Tony Monaco*

Geological Sciences
David Edward Sloan

Germanic and Slavic Languages and Literatures
Nina Lynn Broadway*
Andrew Robert Cypcar
Carson Alana Kasovic
Kirstin Anna Lewis
Kathryn Alyssa Pribble*++
Simon Andreas Scholl

Global Studies
Sonia Tara Ammu
Andrea Alexis Barreto
Holly Lauren Beilin*
Hanna Zawrzykraj Beron
Joshua David Broach
Kelly Louise Cannon*
Taylor Michelle Draughn
William Dawson Gage
Maria Ximena Godoy
Abeera Hameed
Edmundo Antonio Hernandez
SuJi Hwang*
Sarita Iyer*
Kailey Owen Izard*
Awa Loum Jagne
Shirley Cason Jenkins
Jennifer E. Kreizman
Sarah T. Mafe
Rachel Caren Moreau
Ayla Jasmine Pettry*
Robert Elliot Seck
Soobin Seong
Natalia Serediuc*
Joseph Thomas Shanahan Jr.
Tunu Wa-Dutumi
Caroline McHugh Watkins*

History
Sarah Margaret Bufkin*
Andrew Robert Cypcar
Samuel John Dunderdale
Felica Marie Felton
Nicoletta D. Garcia
Abigail Watts Henderson
Drew Alexander Hermanson
Matthew K. Humphries*
Brett Ayre Jennings
Angelina Ray Johnston
Kathleen Davis Jones*
Benjamin Francis King
Walter Allen Krause
James Matthew Lloyd
Hannah L. Long
Thomas Arthur Maloney
Haley Asbury McLoud*
Alexis Leigh Mutter
Christopher Van Ness Powe
Evan Thomas Price
Oliver Brennan Rose*
John B. Thomas Jr.*
Kasi Elizabeth Wahlers*
Caroline McHugh Watkins*
James Andreas Whitney

Interdisciplinary Studies
Sarah Margaret Bufkin*
Charles Julius Santos*

Linguistics
Rachel Estelle Broad*
Brian Lee Cansler
Elisabeth Ellis Green*
Lissa Loise Hawksley*
Rontasha Aushay Johnson
Taylor Caroline Lacey
Anna Ollinger*++

Management and Society
John Thomas Berard
William Raymond Crabtree
Clara Renee Edwards
Catherine Courtney Fuller
Mark Tyler Goodpaster
Samuel Joseph Griffin
Miles Hunter Harrell
Travis Alan Hollingsworth
Mishael Annmarie Luu
Michael Warren McGowan
Stephen M. Twilley

Mathematics
Evan McNeill Bluhm*
Adam David Butlak
Walter Kelly Davis
Julie Brianne Demuynck
Clancy William Mullan*
Graham Kesler O'Connor*
Ashlyn Diane Sanders

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Luxi Tang*
Jody Lee Upright
Lydia J. Ware

Music
Adam David Butlak
Peter Timothy Daaleman

Peace, War, and Defense
Lucy Rose Bierer*
David Anderson Collins
Samuel John Dunderdale
Brooke Megan Greenwell
Nathan Leonard Harrison
Brett Ayre Jennings
Kenneth Edward Pfledderer
Oliver Brennan Rose*
Tomas Suarez*
William Matthew Willet Sr.*

Philosophy
Thomas Christopher Byrd
Deep N. Patel

Physics
Mary Christine Clements
Coran Jahrel Reed Coley
Brian Stephen Gardner
Raphael Shine Provosty

Political Science
Brian Alluisi
Hanna Zawrzykraj Beron
Robert Strange Bridgers
Joshua David Broach
Aaron M. Clayton*
David Anderson Collins
James Austin Cooper
Kyle Jackson Currie
Heather Elizabeth Dailey
Alexa Danielle DeLisle*+
Bowen Wallace Dunnan*
Michael Wayne Gagnon
Paula Andrea Gonzales
Edmundo Antonio Hernandez
Ayechinaye Itihyma Holt
Matthew K. Humphries*
Shirley Cason Jenkins
Alan Mark Karnofsky
Travis Paul Keene
Taylor Kirkland
Rahul Lakhwani*
Francisco Javier Martinez
Thomas Dean McCrorey Jr.
Patrick Williams Mealy
James Brandon Merritt
Sherri Gail Patterson
Abed-Alsalam Christopher Qadura
Omar Lovell Roque
Christina Jaye Sartori
Dennis Richard Self III
Jake Allen Sprayberry
Kasi Elizabeth Wahlers*
Katharine Rose Zolot

Psychology
Mustafa Bashir Ali
Alyssa Lynn Arena*
Katelijn S. Berckmans*
Anne Lauren Brenneman*
Tara Mariel Brossa
Sarah De La Vega
Alexa Danielle DeLisle*
Autumn Sharai Devitt
Cameron Makensey Doyle*
Terri Kay Farelli
Emma Ferriola-Bruckenstein*
Sara Margarita Gonzalez
Krystal Tyler Grady
Andrea Renae Hamersky
Ureigh Deshaun Houston
Kayla R. Jernigan
Sandy Renee Joyner
Whitney Ayres Kenerly
Mishael Annmarie Luu
Jonathan Ryan McCormick
Alexis Leigh Mutter
Pamela Paige Newcomb
Albert J. Osbahr IV
Daija Kiara Prather
Luis Fernando Reyes
Ashley Elizabeth Riddell
Morgan T. Roese
Diego Ruiz
Adwoa Birago Safo
Rosemary Cuthbert Scanga*
Jennifer Elissa Scott
Henry Mauricio Turcios Jr.
Steve Tshavntuj Yang

Public Policy
Preston Gary Christy
Jeffrey Frederick DiBerto
Marcus Allen Layer
Kareem Jamal Martin
Anne Marie Peer*
Tyler Scott Surratt
John B. Thomas Jr.*

Religious Studies
Samantha K. Beavers*
Emma Ferriola-Bruckenstein*
Suzannah MacLean Kimbrel*
Marquis Deshawn Peacock*
James William Soffa
Hannah Brooke Wyatt*

Romance Languages
Sonia Tara Ammu
Kelly Louise Cannon*
Juan Carlos Cano
Megan Marie DeLugas
Autumn Sharai Devitt
Adrienne D. Franz*
Elisabeth Ellis Green*
Jules Hill
Taylor Kirkland
Elizabeth Maciel*
Adam Lawrence Meffert*
Rachel Caren Moreau
Elizabeth Susanne Murray
Anna Ollinger*
Aleigha Brittany Page
Anne Marie Peer*
Marissa Grace Rupp
Natalia Serediuc*
Kirsten Blair Stevenson*
Elisha Kathleen Walker
Pamella Lynn White

Sociology
Jordan D. Bishopp
Charlotte Louise Bryant
Savannah Faye Copeland
Tania Viridiana De Los Santos
Tatiana E. Dobrenko
Jillian Marie Duke
David Redmond Emala
Lecount David Fantroy
Krystal Tyler Grady
William Thomas Graves
Ayechinaye Itihyma Holt
Hannah Elizabeth Jaegers
Jessica Laurel Kirby
Stephanie Alyce Madara
Donald Shavar Murry
Jessica Michelle Ownbey*
Palestine Small
Hilee Delano Taylor
Ashley Tonsberg
Candice Nicole Trnjanin
Alexander John Walters
David Ryan Winters

Studio Art
Kathy Darlene Miles Morgan*
Laura Marieka Perry
Morgan T. Roese
Nicole M. Stockburger*

Women's Studies
Rujahyat Temilade Ademola
Hannah Elizabeth Jaegers

BACHELOR OF FINE ARTS
Joseph Richard Amodei+
Jessica Graves Franklin

BACHELOR OF MUSIC
Thomas Woodward Davis*
Ashley Caroline Dean
Kieran McCarthy Fell*
Justin Ryan Griffin
Kei Kurosu*
Risden Little McElroy Jr.
Kayln Marie Thaw

BACHELOR OF SCIENCE

Applied Science
Dong Chen
Davis Clark Di Lillo
Luther Snyder Garrison
Justin Ellis Watson
Jason David Williams

Biology
Alyssa Lynn Arena*
Kateland E. Bennett
Trenton Blake Bottoms
Amanda Leigh Carringer*
Rabiah Tanzeem Choudhary
Zachary Wayne Cope
Frederick Earl Dowell*
Meghan Elizabeth Drake
Aya Khaled El Khatib
Leslie R. Esparagoza
Sagi Enicole Alday Gillera
Catherine Leigh Gold
Jiasheng Guo
Mark Stephen Harper
Kevin Bartlett Holley*
Angela Jiang
Masi Hullah Katawazai
Mehjabeen Ali Khan
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Amina Masood Jr.
McKenzie Allen Matthews
Elizabeth Susanne Murray
Bettina Nagy
Adriana Michele Pollak*
Matthew J. Poplin*
Carlos Daniel Posada
Mary Katherine Prince
Valerie Riley
Jennifer Evelyn Schneider*
Soobin Seong
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Steven Michael Smith
Eric Jordan Vorst
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Chemistry
Kevin Love
Maura Hiromi Masatsugu
Christopher Andreas McMillian
Clancy William Mullan*+
Hung Van Thanh Nguyen*

Ean Karl Spielvogel
William Hunter Wilkins

Computer Science
Staci Cooper*
Robert John Dallara*
Philip Michael Del Vecchio*
Roxanne H. Estrada
Syed Dannish Hasnain
Long Huynh
Brandon Mathew O'Gorman
Wu'Ang Qin
Diyang Qu
Alexey A. Vasilyev
Arie David Wolf
Christine Ning Ye*
Zhe Zhang

Environmental Sciences
Christina Bergemann
Richard McNeill Bullock
Samuel Paul Clayton-Luce
Michael Richard Everhart
Carl Philip Kolosna
Ashley Carmen Kuan
Aizhan Y. Toregozhina*
Quentin Andrew Walker
Tiffany Fong Young

Geological Sciences
Melody O. Eimer*+
Ranee Premji

Mathematical Decision Sciences
Nuoxi Chen*
Qian Liu*++
Wu'Ang Qin
Charles James Van Ostenbridge
Jinghao Zhou*

Mathematics
Juan Jose Cordova
Jacob Maas Fram
Qian Liu*
Hao Sun*

Physics
Evan McNeill Bluhm*
Kirsten Renee Hall++
Daniel Edwin Rosenberg

Psychology
Emily Ross Browning
Elaine Chow
Jeffrey Frederick DiBerto
Cynthia Ann Freimark
Mark Stephen Harper
Turner-Marie Lynn Johnson*
Allen Hobin Kang
Katherine Marie McCann
Evan Thomas Price
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Interim Dean John P. Evans

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Charalambous
Rocky Chen
Yu Cheng*
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David Vincent Di Filippo*
Roberto Juventino Diaz
Clinton Welch Greene*
Mohammed Saifuddin Hajee*
Erik Stefan Hammel
Jules Hill
Ryne Wilson Holmes
Samer Adel Khatib*
Rahul Lakhwani*
William Randolph Lehmann*
Emily Christine McGee
Jillian Nanette Noblin*
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Jacob James Perata
Lance Michael Ravenscraft*
Diana Maria Sierra
Jung Gun Song
Noah Liebling Stang*
Barbara Miller Stephanides
Oliver Herndon Swain
Joyce Chi Kwan Tam
Ryunosuke Young Jun Samuel Uyama
Connor Joseph Van Dyke
Kaitlin N. Williams*
Yao Jessica Xiong*
Byung Sik Yun*
Yiqian Zhang

The School of Dentistry
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BACHELOR OF SCIENCE IN DENTAL HYGIENE
Nicole G. Childress
Stephanie Cash Janums

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

BACHELOR OF ARTS IN EDUCATION
Amy Lauren Beasley
Brianna Isabel Brodie
Suzanne Elizabeth DeConto*

The School of Information and Library Science
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Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Sharon E. Austin
Hannah Sara Choueke IV*
John Kerry Lanzer

The School of Journalism and Mass Communication
ESTABLISHED 1924
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BACHELOR OF ARTS IN BUSINESS JOURNALISM
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Samantha K. Beavers*
Marion Johnson Brodie
Kara Rose Cannizzaro
Mary Caitlin Clark
Ryan Thomas Cocca
Kelly Ann Crupi
Janelle N. Davis*
Ari David Gross
Brittany Kay Haile
Ari D. Hires
Grace Kimberly Hurt*
Melinda Johnson
Daniela Madriz
Rachel Lyn Magerman
Vanessa Martinas
Alexandra Diane Mendoza
Zachary Michael Meyer
Kayla Nicole Moore
Andrew Murray
Evan Noll
Kiara Simone Palmer
Cecille Anne Pascual
Hayley J. Paytes
Marissa Grace Rupp
William Jeffrey Russell
Rahul Rutanen-Whaley
Emily Rose Shields
Julysa Nathalie Sosa
Deborah Jane Strange
Brian Thomas Walker*
Maria Leigh Ward
Shelley Leone Watkins
Taylore Woods

The School of Nursing
ESTABLISHED 1950
Dean Kristen M. Swanson

BACHELOR OF SCIENCE IN NURSING
Wendy Amisadai Dixon
Cynthia Ann Freimark
Melissa Coleman Hamrick
April White Mouton
Brittany Nicole Odom
Adwoa Birago Safo
Katie Michelle Zachary

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH
Emeraghi Emerson David

Candidates Commissioned in the Armed Forces
DECEMBER 2013

UNITED STATES ARMY SECOND LIEUTENANT
Lance William Randles

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

December 2013

Postbaccalaureate Certificates

The School of Journalism and Mass Communication

ESTABLISHED 1924

Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION

David Wesley Etchison
Emily Harris
Donna Slawson Hart
Jennifer Lynn McDaniel
Rachel Jones Pittman
Carolyn Lenora Schwarz
Matthew Benjamin Shaw
Kimberly Weaver Spurr
Brian Devoe Thornburg

The Gillings School of Global Public Health

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CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS

Christy Rae Gaines
Jacob Barringer Gordon
Robert Vernon Nieland
Andrea Wallace Reed

CERTIFICATE IN FIELD EPIDEMIOLOGY

Jovan Kellene Wright

CERTIFICATE IN GLOBAL HEALTH

Stephanie Gibbs
Kim D. Rubin

GRADUATE DEGREES

August 2013 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Arnie Paul Aldridge, *Economics,* Labor Market Outcomes of Individuals in Recovery from Addiction to Alcohol. Professor Donna B. Gilleskie.

Lakulish Shailesh Antani, *Computer Science,* Interactive Sound Propagation using Precomputation and Statistical Approximations. Professor Dinesh Manocha.

Andrea Anton Gamazo, *Ecology,* Ecology and Evolution of the Lionfish Invasion of Caribbean Coral Reefs: Resistance, Adaptation and Impacts. Professor Charles H. Peterson.

Rachael Ann Baker, *Biochemistry and Biophysics,* Diverse Mechanisms of G Protein Regulation by Monoubiquitination. Professors Henrik Dohlman and Sharon Campbell.

Kevin Kumar Banda, *Political Science,* Candidate Strategy and Assessment During Election Campaigns. Professor Thomas M. Carsey.

Lydia Marie Barrigan, *Microbiology and Immunology,* Immune Evasion Strategies Utilized By Francisella Tularensis. Professor Jeffrey Frelinger.

Jonathan Tabler Bartels, *Education,* New Literacies Practices of Early Career English Teachers: From Digital Spaces to the Classroom. Professor Cheryl Mason Bolick.

Kirston Mandy Lang Barton, *Microbiology and Immunology,* Targeting the Class I HDACS to Disrupt Quiescent HIV-1 Proviruses. Professor David Margolis.

Carolina Batis Ruvalcaba, *Nutrition,* Dietary Pattern Trajectories Over Time and Diabetes Among Chinese Adults. Professor Barry Popkin.

Keesha Lashon Benson, *Social Work,* When and Where I Enter: Examining the Influence of Personal, Relational and Contextual Factors on Nonresidential African American Father Involvement. Professor Iris Carlton-LaNey.

Matthew Edward Berginski, *Biomedical Engineering,* Application of Bioimage Informatics to Quantification of Focal Adhesions and Invadopodia. Professor Shawn M. Gomez.

Anne Karen Berler, *History,* A Most Unpleasant Part of Your Duties: Military Occupation of Four Southern Cities, 1861–1865. Professor William L. Barney.

Noah Chase Berman, *Psychology,* Developmental Experiences in the Prediction of Thought Action Fusion: Contribution of Religious, Familial and Stress Factors. Professor Jonathan S. Abramowitz.

Sara Boeding, *Psychology,* Roles and Postpartum Distress: Relationship Adjustment as a Mediator. Professor Don Baucom.

Meagan Bolles, *Microbiology and Immunology,* Evaluations of Severe Acute Respiratory Syndrome Coronavirus Therapeutics and a Viral Capacity for Plasticity and Escape. Professor Ralph Baric.

Kathleen Crawford Boyle, *Romance Languages and Literatures,* From Iberian Innovation to Sardinian Appropriation: Breaking Down Giovanni Delogu Ibba's Index libri vitae. Professor Edward D. Montgomery.

Maggie Hood Bromberg, *Psychology,* An Electronic Daily Diary Study of Sleep Quality, Pain, and Emotion Regulation in Children with Juvenile Idiopathic Arthritis. Professor Karen M. Gil.

Andrew Thomas Brusoe, *Chemistry,* Enantioselective [2+2+2] Cycloadditions of Ene-Allenes and Allenes. Professor Erik J. Alexanian.

Laurel May Burk, *Physics,* Development of a Carbon Nanotube-Based Micro-CT and Its Applications in Preclinical Research. Professor Otto Z. Zhou.

Ezequiel Rodrigo Cabezon, *Economics,* Essays on Monetary Policy in Open Economies. Professor Richard Froyen.

Wendy Camelo Castillo, *Epidemiology,* Pharmacological Treatment of Gestational Diabetes and Association with Adverse Maternal and Neonatal Outcomes. Professor Michele Jonsson Funk.

Luke Campagnola, *Neurobiology,* Mapping the Functional Connectivity of the Mouse Anteroventral Cochlear Nucleus. Professor Paul Manis.

Jordan McMilan Carpenter, *Psychology,* Forewarning, Defensive Strategies, and Narrative Persuasion. Professor Melanie Green.

Angelo Castagnino, *Romance Languages and Literatures,* The Intellectual as a Detective: From Leonardo Sciascia to Roberto Saviano. Professor Federico Luisetti.

Lahnna Isabel Catalino, *Psychology,* Promoting Well-Being Through Prioritizing Positivity. Professor Barbara L. Fredrickson.

Keri Chandler, *Romance Languages and Literatures,* The Nature of Woman: Spanish Women Poets of the 18th and 19th Centuries. Professor Irene Gomez Castellano.

Shengqian Chen, *Mathematics,* Dynamics of Continuously Stratified and Two-Layer Incompressible Euler Fluids and Internal Waves. Professor Roberto Camassa.

Chia-Yi Cheng, *Biology,* The Role of Cytokinin in Female Gametophyte Development in Arabidopsis. Professor Joseph J. Kieber.

Raghav Kumar Chhetri, *Physics,* Polarization-Sensitive Optical Coherence Tomography to Study Diffusion of Plasmonic Gold Nanorods — A Novel Tool for Optical Bioimaging. Professor Amy L. Oldenburg.

Laura L. Christopherson, *Information and Library Science,* OMG! L2spell Online: The Creative Vocabulary of Cyberlanguage s(-_^)--b. Professor Stephanie W. Haas.

Joseph R. Crosswell, *Environmental Sciences and Engineering,* Air-Water CO2 Fluxes in Estuaries: Sources, Sinks and Storms. Professor Hans Paerl.

Nabarun Dasgupta, *Epidemiology,* Opioid Analgesic Prescribing and Overdose Mortality in North Carolina. Professor Steve Marshall.

Christopher Francis Dibble, *Pharmacology,* Defining the Cerebral Cavernous Malformation Protein Signaling Network in Endothelial Cells. Professor Gary L. Johnson.

Kristen Josie Dolan, *History,* Isolating Nazism: Civilian Internment in American Occupied Germany, 1944–1950. Professor Konrad H. Jarausch.

Jennifer Donnally, *History,* The Politics of Abortion and the Rise of the New Right. Professor Jacquelyn Hall.

Michael Luca Durando, *Pathology,* Novel Mechanisms Through Which Translesion Synthesis Protects Genome Integrity. Professor Cyrus Vaziri.

Eric Jay Earley, *Biology,* The Genetics of Adaptation in Drosophila Sechellia. Professor Corbin D. Jones.

Joseph Michael Falkowski, *Chemistry,* Metal-Organic Frameworks as Single-Site Asymmetric Catalysts. Professor Wenbin Lin.

Anna Farennikova, *Philosophy,* Seeing Absence. Professor William G. Lycan.

Daniel Fovargue, *Mathematics,* Multiscale and Multiphysics Computational Models of Processes in Shock Wave Lithotripsy. Professor Sorin M. Mitran.

Andrew Justin Freeman, *Psychology,* Age Effects in Manic Symptoms in Pediatric Bipolar Disorder. Professor Eric A. Youngstrom.

Ashley Caroline Freuler, *Occupational Science,* Facing Challenges on Two Fronts: Exploring the Process of Resilience for Military Families Raising a Child with Autism. Professor Grace T. Baranek.

Meridith McGee Fry, *Environmental Sciences and Engineering,* The Impacts of Short-Lived Ozone Precursors on Climate and Air Quality. Professor J. Jason West.

Yilan Fu, *Sociology,* Peer Relations: Peer Influence, Genetic Similarity Among Friends and Friendship Reciprocity. Professor Guang Guo.

Emily Beth Furgang, *Occupational Science,* Engagement of Students With Intellectual and Developmental Disabilities in Postsecondary Education. Professor Ruth Humphry.

Felicia Anne Elizabeth Gibson, *School Psychology,* An Analysis of Parenting Constructs in the National CLIO Study. Professor Barbara H. Wasik.

Paul A. Gilbert, *Health Behavior,* A Mixed-Methods Investigation of Alcohol Use Among Immigrant Sexual and Gender Minority Latinos in North Carolina. Professor Eugenia Eng.

Raphael T. Ginsberg, *Communication Studies,* Victims Deserve the Best: Victims' Rights and the Decline of the Liberal Consensus. Professor Lawrence Grossberg.

Annelies M. Goger, *Geography,* Managing Global Guilt and Local Norms: Governance in the Sri Lankan Clothing Industry. Professor John Pickles.

Shelley D. Golden, *Public Policy,* Employment Fluctuations and Tobacco: How Changing Employment Conditions Impact Smoking Behavior and Cigarette Tax Policy. Professor Krista M. Perreira.

Raul Alexander Gonzalez, *Environmental Sciences and Engineering,* Tools for Predicting Microbial Water Quality in Estuaries Used for Recreation and Shellfish Harvesting. Professor Rachel T. Noble.

Euan Drew Griffiths, *Comparative Literature,* Varieties in Translation: Adaptation and Translation Between French and English Arthurian Romance. Professor Edward D. Kennedy.

Allison K. Groves, *Health Behavior,* Prevalence and Trajectories of Intimate Partner Violence Among South African Women During Pregnancy and the Postpartum Period. Professor Suzanne Maman.

Patrick C. Guley, *Pharmaceutical Sciences,* Serum Albumin as a Carrier of Immunostimulatory Oligodeoxynucleotides for Cancer Therapy. Professor Moo J. Cho.

Fatma Bursa Gunay, *Economics,* Competition in Markets with Network Externalities. Professor Gary Biglaiser.

Michael John Hadsell, *Physics,* The Development and Characterization of a First Generation Carbon Nanotube X-Ray Based Microbeam Radiation Therapy System. Professor Otto Z. Zhou.

Courtney Sara Mathews Hadsell, *Physics,* Surface Science Studies on Titania for Solar Fuel Applications. Professor Yue Wu.

Megan Beth Harney, *Psychology,* The Influence of Fasting, Affect and Body Dissatisfaction on Set Shifting Ability. Professor Anna Bardone-Cone.

Bridgid Elizabeth Hast, *Cell and Developmental Biology,* Mechanisms Controlling the KEAP1-NRF2 Signaling Pathway in Lung Cancer. Professor Michael Benjamin Major.

Cassidy E. Henegar, *Epidemiology,* Maternal Response to Antiretroviral Therapy in Johannesburg, South Africa: Adherence and Drug Toxicities. Professor Annelies Van Rie.

Gregory Joseph Herschlag, *Mathematics,* Continuum-Atomistic Algorithms for Dendritic Formation. Professor Sorin Mitran.

Isaac Blair Hilton, *Genetics and Molecular Biology,* Small and Large-Scale Gene Regulation in Kaposi's Sarcoma-Associated Herpesvirus. Professor Dirk P. Dittmer.

Carly Kaye Hoffend, *School Psychology,* The Relationship Between the Proportion of Native American Adolescents in Schools and Socio-Emotional Functioning. Professor Barbara H. Wasik.

April Latoya Holland, *Chemistry,* Single-Channel Recording of Biological Targets Using Surface Modified Nanochannels. Professor John M. Ramsey.

Steven John Holochwost, *Psychology,* Cumulative Risk, Parenting Behaviors, and the Development of Executive Functions in Early Childhood: A Role for Physiological Self-Regulation? Professor Jean-Louis Gariepy.

Thomas Merryfield Jarrett, *Neurobiology,* Role of Rodent Vocalizations in Cocaine-Induced Maternal Neglect. Professor Josephine M. Johns.

Melissa McKeown Jenkins, *Psychology,* Cognitive De-Biasing and the Assessment of Pediatric Bipolar Disorder. Professor Eric A. Youngstrom.

Finith Ewin Jernigan, *Chemistry,* Synthesis and Development of Proteasome and Kinase Fluorescent Assays for Quantitation of Enzyme Activity. Professor David S. Lawrence.

Dari Jigjidsuren, *Social Work,* School Readiness: Does It Matter If Parents and Caregivers Think Alike? Professor Kathleen Rounds.

Jennifer Grace Job, *Education,* Their World Cracked Open: Theorizing Shelter in 9/11 Curricula. Professor Lynda Stone.

Jill E. Johnston, *Environmental Sciences and Engineering,* Assessing Exposure to Chlorinated Solvents from the Subsurface to Indoor Air Pathway. Professor Jacqueline MacDonald-Gibson.

Erin R. Kaltenbrun, *Biology,* Molecular Determinants of Tbx20 Activity During Cardiac Development. Professor Frank Conlon.

Gazi Ishak Kara, *Economics,* Essays on International Financial Regulation. Professor Anusha Chari.

David C. Kessler, *Biostatistics,* Bayesian Nonparametric Methods for High-Dimensional Data. Professor Amy Herring.

Julia Khanova, *Information and Library Science,* Role of Online Teaching Experience in Pedagogical Innovation in LIS Education: An Activity-Theoretical Analysis. Professor Gary Marchionini.

Soyoung Kim, *Biostatistics,* More Efficient Estimators for Case-Cohort Studies With Univariate and Multivariate Failure Times. Professor Jianwen Cai.

Amber Rose Knight, *Political Science,* Disabling Political Theory: Essays at the Intersection of Political Theory and Disability Studies. Professors Michael Lienesch and Susan Bickford.

Mary Elizabeth Kohn, *Linguistics,* Adolescent Ethnolinguistic Stability and Change: A Longitudinal Study. Professor Elliott Moreton.

Bo Ram Kwon, *Political Science,* The Effectiveness of Sanctions Revisited: An Empirical Analysis Using a Bargaining and Enforcement Framework. Profcssor Navin A. Bapat.

Kristen Elizabeth Lacefield, *English,* Mary Shelley's Novels, the Guillotine, and Contemporary Horror Film. Professor Beverly Taylor.

Wonyul Lee, *Statistics and Operations Research,* New Statistical Learning Methods for Multiple High Dimensional Datasets. Professor Yufeng Liu.

Patricia Marie Lenhart-Pendergrass, *Cell and Molecular Physiology,* Adrenomedullin and Receptor Activity Modifying Protein 3 in Women's Health. Professor Kathleen M. Caron.

Shannon M. Lewis, *School Psychology,* A Comparative Study of School-Based Interventions for Students With Emotional Disabilities, Specific Learning Disabilities and Other Health Impairments. Professor Rune J. Simeonsson.

Haohan Li, *Computer Science,* Scheduling Mixed-Criticality Real-Time Systems. Professor Sanjoy K. Baruah.

Ja-An Lin, *Biostatistics,* Statistical Methods for Imaging Genetic Data, Professors Hongtu Zhu and Joseph G. Ibrahim.

Cong Liu, *Computer Science,* Efficient Design, Analysis, and Implementation of Complex Multiprocessor Real-Time Systems. Professor James H. Anderson.

Dongyun Liu, *Pharmaceutical Sciences,* Water-in-Oil Microemulsions and Hydrogel Nanoparticles in Water-in-Oil Microemulsions for Local Intestinal Delivery of Peptides and Proteins. Professor Russell J. Mumper.

Yingchi Liu, *Physics and Astronomy,* Optical Profile and Nanostructure Effects in the Charge Carrier Transport and Performance of Photovoltaic Devices. Professor Rene Lopez.

Christina Defilippo Mack, *Epidemiology,* Improving the Validity of Nonexperimental Comparative Effectiveness Research: The Impact of Calendar Time on Prescribing of Novel Chemotherapeutic Therapies for Stage III Colon Cancer. Professor Til Stürmer.

Michael John Maher, *Romance Languages and Literatures,* Luigi Pulci and Laurentian Florence: "Contra hypocritas tantum, pater, dissi". Professor Ennio I. Rao.

Alyssa Julia Manning, *Biology,* Regulation of Epithelial Morphogenesis by the Drosophila Folded Gastrulation Signaling Pathway. Professor Stephen L. Rogers.

James D. Martindale, *Mathematics,* A Soft-Magnetic Slender Body in a Highly Viscous Fluid. Professors Roberto Camassa and Richard McLaughlin.

Leanna Rose McDonald, *Biochemistry and Biophysics,* Towards Understanding the Mechanisms of Allostery: The Investigation of the Relationship Between Dynamics, Structure, and Function in the Model Allosteric Protein CheY. Professor Andrew L. Lee.

Keith Russell Miller, *Biochemistry and Biophysics,* Use of T Cell Receptor-Like Antibody Fragments for Imaging and Immunotherapy. Professor Edward J. Collins.

Leonardo Fabio Morales Zurita, *Economics,* Obesity and Health-Related Decisions: An Empirical Model of Weight Status for Young Adults in the U.S. Professor David Guilkey.

Racha Moussa, *Economics,* Essays in Sovereign Default and International Financial Liberalization. Professor Anusha Chari.

Metello Mugnai, *Romance Languages and Literatures,* Religion Reconsidered: The Gospel according to the Italian 20th Century. Professor Federico Luisetti.

Carl Misha Najdek, *Political Science,* Creating Democratic Culture: Identity, Political Renewal and Internationalism in Walt Whitman's Political Thought. Professor Michael Lienesch.

Amanda Jane Natalizio, *Genetics and Molecular Biology,* Identification and Characterization of Drosophila Snurportin Reveals a Role for the Import Receptor Moleskin/Importin7 in snRNP Biogenesis. Professor A. Gregory Matera.

Lauren Michelle Neighbours, *Microbiology and Immunology,* The Protective and Pathologic Roles of Toll-Like Receptors in Arthritogenic Alphavirus Infection. Professor Mark T. Heise.

Michael Ryan Norris, *Chemistry,* Making Molecules for Light-Driven Water Splitting. Professors Joseph L. Templeton and Thomas J. Meyer.

Scott Christopher O'Brien, *Political Science,* Alienation, Ambivalence, and Scorekeepers: Three Essays on Public Opinion Formation in American Politics. Professor Thomas M. Carsey.

Harold Reed Ogrosky, *Mathematics,* Modeling Liquid Film Flow Inside a Vertical Tube. Professors Roberto Camassa and Greg Forest.

Kathryn Ann Ohle, *Education,* Hearing Their Voices: Examining Teacher Perceptions During the Implementation of an Instructional Policy. Professor Lynne Vernon-Feagans.

Emily Victoria Olson, *Art History,* Contextualizing Roman Honorific Monuments: Statue Groups of the Imperial Family from Olympia, Ephesus and Leptis Magna. Professor Mary C. Sturgeon.

Kennedy O. Onori, *Nursing,* Nursing Diagnoses in the Care of Hospitalized Patients with Type 2 Diabetes Mellitus: Pattern Analysis and Correlates of Health Disparities. Professor Edward J. Halloran.

Andrea Overbay, *Mathematics,* Perturbative Expansion of the Colored Jones Polynomial. Professor Lev Rozansky.

Semra Ozdemir, *Environmental Sciences and Engineering,* Measuring the Economic Value of Government Programs: An Application to Early-Childhood Interventions. Professor Dale Whittington.

Michael S. Parrott, *Journalism and Mass Communication,* An Examination of the Use of Disparagement Humor in Online TV Comedy Clips and the Role of Audience Reaction in Its Effects. Professor Rhonda Gibson.

Mehul D. Patel, *Epidemiology,* Emergency Medical Services Capacity for Prehospital Care of Stroke Patients in North Carolina. Professor Wayne D. Rosamond.

Sachin Patil, *Computer Science,* Closed-Loop Planning and Control of Steerable Medical Needles. Professor Ron Alterovitz.

Mackenzi Pergolotti, *Occupational Science,* Older Adults with Cancer: Participation in Activity and the Utilization of Occupational Therapy. Professor Malcolm Cutchin.

Eliza Jane Reader Peterson, *Biochemistry and Biophysics,* Evolution and Prevention of Antibiotic Resistance: Small Molecule Inhibitors of Bacterial Recombination Enzymes. Professor Scott F. Singleton.

Ryan Matthew Phillips, *Pharmacology,* Development of a Novel Assay of Protein Tyrosine Phosphatase Activity in Single Cells Using Capillary Electrophoresis. Professor Nancy L. Allbritton.

Laurie Marie Phillips, *Journalism and Mass Communication,* A Multi-method Examination of Race, Class, Gender, Sexual Orientation and Motivations for Participation in the YouTube-Based "It Gets Better Project." Professor Daniel Riffe.

Carmen M. Piernas Sanchez, *Nutrition,* Low Calorie- and Caloric-Sweeteners: Diet Quality, Food Intake and Purchase Patterns of U.S. Household Consumers. Professor Barry M. Popkin.

Emily Margot Pisetsky, *Psychology,* Factors Associated with Suicide Attempts in Women with Eating Disorders. Professor Cynthia M. Bulik.

Jessica Sarah Powell, *Education,* "You Don't Just Stay in One Place": The Intergenerational Pedagogy of Two African American Families in the South. Professor George Noblit.

Raju Yashaswi Prasad, *Environmental Sciences and Engineering,* Effect of the Nano-Bio Interface on the Genotoxicity of Titanium Dioxide Nanoparticles and Associated Cellular Responses. Professor Rebecca C. Fry.

Wayne A. Psek, *Health Policy and Management,* Organizational Level Factors Affecting Health Care Outcomes in VA Emergency Departments: A Configurational Approach. Professor Bryan Weiner.

Ashleigh Wells Raabe, *Art History,* Image, Space, and Social Ritual: The 'Second Style' Decorations of the House of the Cryptoporticus at Pompeii. Professor Mary C. Sturgeon.

Kristen Michelle Rappazzo, *Epidemiology,* Exposure to Particulate Matter Mass and Species During Pregnancy and Risk of Birth At Preterm Gestational Ages. Professor Julie L. Daniels.

Aaron Hugh Ratcliffe, *Business Administration,* Operating on Quality, Access, and Cost: Managing Better Health Systems. Professors Ann Marucheck and Wendell Gilland.

Allison B. Ratto, *Psychology,* The Impact of Cultural Factors on the Diagnostic Process in Autism: A Comparison of Latina and European American Mothers. Professor J. Steven Reznick.

Pamela Mullins Reaves, *Religious Studies,* Gnosis, Witness, and Early Christian Identities: The "True" Martyr in Clement of Alexandria and Gnostic Traditions. Professor Bart D. Ehrman.

Jeffrey William Richey, *History,* Playing At Nation: Soccer Institutions, Racial Ideology, and National Integration in Argentina, 1912–1931. Professor John C. Chasteen.

Erica Lynn Richman, *Social Work,* The Academic Success of College Students with Attention Deficit Hyperactivity Disorder and Learning Disabilities. Professor Sheryl Zimmerman.

Catharina Win Ringer, *Education,* Learning to Assess and Assessing to Learn: A Descriptive Study of a District-Wide Mathematics Assessment Implementation. Professor Susan N. Friel.

Reid Austin Roberts, *Microbiology and Immunology,* Harnessing What Lies Within: Programming Immunity With Biocompatible Devices to Treat Human Disease. Professors Jenny Ting and Joseph M. DeSimone.

Sheila Serr Roszell, *Nursing,* Measuring Lean Management Penetration on the Hospital Nursing Frontline: Instrument Development. Professor Mary R. Lynn.

Jeremy Alan Sabourin, *Statistics and Operations Research,* LASSO-Based Resample Model Averaging for Genetic Association Studies. Professors Andrew B. Nobel and William Valdar.

Alison P. Sanders, *Environmental Sciences and Engineering,* Environmental Metals and Birth Defects: New Approaches to Understanding the Role of Metals in Congenital Heart Defects. Professor Rebecca C. Fry.

Robert Austin Sapp, *Romance Languages and Literatures,* Family Narratives and the Transmission of Heritage in Transcultural Novels. Professor Dominique Fisher.

Julianne Denice Schmidt, *Human Movement Science,* The Influence of the Cervical Musculature, Visual Performance, and Anticipation on Head Impact Severity in High School and Collegiate Football. Professor Kevin M. Guskiewicz.

Stephanie A. Schmitt, *Public Policy,* Assessment and Rankings Efforts: The Effect on Institutional and Program-Level Change. Professor Maryann P. Feldman.

Robert Nathaniel Schuck, *Pharmaceutical Sciences,* Translational Characterization of Arachidonic Acid Metabolism in Vascular Inflammation and Cardiovascular Disease. Professor Craig R. Lee.

Virginia Senkomago, *Epidemiology,* The Role of Human Papillomavirus (HPV) Viral Load in Penile HPV Infection and Clearance Among Young Kenyan Men. Professor Jennifer S. Smith.

John Thomas Sheridan, *Cell and Molecular Physiology,* Characterizing Calcium-Activated Chloride Secretion: Implications for Sex-Linked Variations in Cystic Fibrosis. Professor Robert Tarran.

Feng Shi, *Mathematics,* Modeling Networks and Dynamics in Complex Systems: From Nano-Composites to Opinion Formation. Professors Peter J. Mucha and M. Gregory Forest.

James Sias, *Philosophy,* Emotion, Virtue and Moral Perception: A Defense of Moral Intuitions. Professor Robert M. Adams.

Meredith Nicole Sinclair, *Education,* Reading Experience: A Phenomenological Inquiry into Reading as "Not a Reader." Professor Madeleine Grumet.

Ashley Rebecca Smyth, *Marine Sciences,* Alterations in Nitrogen Cycling Resulting From Oyster Mediated Benthic-Pelagic Coupling. Professor Michael F. Piehler.

Christopher D. Sproul, *Toxicology,* Biological Responses to Ultraviolet Radiation and the Effect of Intra-S Checkpoint Inhibition on Ultraviolet Radiation-Induced Mutagenesis. Professor Marila Cordeiro-Stone.

Anne P. Starling, *Epidemiology,* Perfluoroalkyl Substances in Pregnancy and the Risk of Preeclampsia. Professor Stephanie M. Engel.

Anne Steinberg, *Romance Languages and Literatures,* Le Conte au 18e Siècle: Pour une Nouvelle Esthetique. Professor Philippe H. Barr.

Blaire Janell Steinwand, *Biology,* The Role of the FEI Receptor Kinases in the Regulation of Cell Wall Function in Arabidopsis thaliana. Professor Joseph J. Kieber.

Deonni Pamela Stolldorf, *Nursing,* The Sustainability of Innovations in Hospitals: A Look at Rapid Response Teams. Professor Cheryl B. Jones.

Natasha Tiffany Strande, *Biochemistry and Biophysics,* Characterizing Ku's Role as an AP lyase in Nonhomologous End Joining. Professor Dale A. Ramsden.

Kelly Kathryn Strutz, *Maternal and Child Health,* The Effects of Early Life Factors and Preconception Stress on Birth Weight in a National Sample of U.S. Women. Professor Jon M. Hussey.

Jonathan Adam Sugam, *Psychology,* The Role of Cellular and Chemical Signaling Within the Nucleus Accumbens in Value-Based Decision Making Behaviors. Professor Regina M. Carelli.

Heather Anne Sullivan, *Political Science,* Managing Dissent: State Capacity, Democracy, and Contentious Politics in Mexico. Professors Evelyne Huber and Graeme Robertson.

Jennifer Supp-Montgomerie, *Religious Studies,* Making a World for America: Electric Communication, Expansive Protestantism, and Globalization in the 19th Century. Professor Randall Styers.

Amy Elizabeth Swain, *Education,* Do We Want the Canary to Sing? Thinking Alternatively About Alternative Education. Professor George W. Noblit.

Carolyn Samuel Taylor, *Business Administration,* Three Essays on Advertising, Customer Satisfaction and Customer Loyalty. Professor Katrijn Gielens.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the gowns also have a streamlined fit, white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Kristina S. Ten Haagen, *School Psychology,* Relationship Among Housing Quality, Food Insecurity, Social Service Needs, Domestic Violence, and Mental Health Needs of Children and Families. Professor Rune J. Simeonsson.

Khadija R. Turay, *Maternal and Child Health,* Body Mass Index and Self-Perceived Weight: Are They Associated With Sexual and Relationship Health? Professor Carolyn T. Halpern.

Jillian Tyrrell, *Chemistry,* Effect of Macromolecular Crowding on the Structure and Function of a Riboswitch Aptamer in Cells and In Vitro. Professor Gary J. Pielak.

Rycel Lim Uy, *Chemistry,* Structure-Property Optimizations of Semiconducting Polymers for Organic Solar Cells. Professor Wei You.

Tanya Vacharkulksemsuk, *Psychology,* Stepping Toward Collective Mindsets: An Investigation of Group- and Leader-Based Synchrony in Work Teams. Professor Barbara L. Fredrickson.

Anna Robinson Van Meter, *Psychology,* Does a Sensitive Palate Beget Sensitive Mood? The Relation Between Supertasting and Disordered Mood. Professor Eric A. Youngstrom.

Javier Velasco-Martin, *Information and Library Science,* Exploring Self-Disclosure in Online Social Networks. Professor Gary Marchionini.

Sherry Antoinette Venere, *Romance Languages and Literatures,* Armas y Letras: Santillana and the Forging of a New Chivalric Ideal. Professor Frank Dominguez.

Brandon Grant Wagner, *Sociology,* Correlates and Contexts of Sexual Infidelity in American Adults. Professor Kathleen Harris.

Pitchpatu Waiyachote, *Journalism and Mass Communication,* A Comparison of Interactions on Facebook Brand Pages Between Global Brands and Publics in Individualistic and Collectivistic Countries. Professor Lois A. Boynton.

Cheng Wang, *Chemistry,* Framework Materials for Solar Energy Utilization. Professor Wenbin Lin.

Tiffany Renee Washington, *Social Work,* Older Adult Kidney Disease Self-Management Behaviors and Their Relationship to Depression, Self-Efficacy, Illness Perceptions and Social Support. Professor Sheryl Zimmerman.

Lei Wei, *Computer Science,* Privacy-Preserving Regular Expression Evaluation on Encrypted Data. Professor Michael Reiter.

Charles Hamilton Weir, *Environmental Sciences and Engineering,* Ambient Air Pollution, Allergic Sensitization, Respiratory Outcomes and Symptoms: Findings from the 2005–2006 National Health and Nutrition Examination Survey. Professor William Vizuete.

Brantley Andrew West, *Physics,* Uncovering Molecular Relaxation Processes with Nonlinear Spectroscopies in the Deep UV. Professors Laurie E. McNeil and Andrew M. Moran.

Michael G. Wheaton, *Psychology,* Information Processing and Affective Responses in Hoarding Disorder. Professor Jonathan S. Abramowitz.

Ahmed Whitt, *Social Work,* Impact of the Built Environment on Urban Adolescent Depressive Symptoms. Professor Matthew O. Howard.

Joseph L. Wiltberger, *Anthropology,* Sueños Salvadoreños: Struggles to Build Other Futures in El Salvador's Migration Landscape. Professor Arturo Escobar.

William Kindred Winecoff, *Political Science,* A Complex Political Economy of the Global Banking System. Professor Thomas Oatley.

Katie Jean Wolfe, *Cell and Developmental Biology,* Chaperone Mediated Protective Protein Aggregation and Spatial Quality Control. Professor Douglas M. Cyr.

Jianfeng Yao, *Economics,* Maternal Employment Type, Maternal Care and Child Health in Rural China: Policy and Behavior. Professor John Akin.

Yong Zhang, *Pharmaceutical Sciences,* Transdermal Delivery of a DTPA Penta-ethyl Ester Prodrug for Continuous Decorporation of Transuranic Elements. Professor Michael Jay.

Hang Zhang, *Linguistics,* The Second Language Acquisition of Mandarin Chinese Tones by English, Japanese and Korean Speakers. Professor Jennifer L. Smith.

Yang Zhou, *Microbiology and Immunology,* Mechanisms of Antibody Mediated Neutralization of Dengue Virus. Professor Aravinda M. de Silva.

Kris A. Zorigian, *Education,* The Intersection Between Self-Determination and Motivation of Students With Disabilities: From Student and Teacher Perspectives. Professor Melissa Miller.

Niha Zubair, *Nutrition,* Novel Approach to Examine the Interactive Role of Dietary, Lifestyle, and Genetic Factors on Cardiometabolic Risk. Professor Linda S. Adair.

DOCTOR OF PUBLIC HEALTH

Timothy David Neil King, *Health Policy and Management,* Pharmaceutical Research and Development: A Key Informant Assessment of Whether an "Open-Science" Model Could Improve Clinical Research in Terms of Quality and Efficiency. Professor John E. Paul.

Gregory M. Mayhew, *Biostatistics,* Genotype-Phenotype Similarity Testing and Methods for Integrating Multiple Data Sources in Genetic Association. Professors Fred A. Wright and Fei Zou.

Guochen Song, *Biostatistics,* Enrollment and Stopping Rules for Managing Toxicity in Phase II Oncology Trials With Delayed Outcome. Professor Anastasia Ivanova.

Yi Zhang, *Biostatistics,* Statistical Methods for Evaluating the Diagnostic Accuracy of Incomplete Multiple Tests. Professors Donglin Zeng and Haitao Chu.

POSTBACCALAUREATE PROFESSIONAL DEGREES, GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

August 2013

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

DOCTOR OF DENTAL SURGERY
Min Shin

The School of Law
ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR
Jane Hoffman Atmatzidis

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Eric Osei Addo
Tiffany McIntosh Dunnon

The Graduate School
ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Classics
Angelina Danielle Phebus

Education
Eric Alan Common
Kelle Diane Falls
Jessie Taylor Hargrave
Young Ran Kim
Katharine Haywood Robinson
Esmeralda Rodriguez
Nathan Trappe

Exercise and Sport Science
Jacob Matthew Allen
Dustin Buttars
Brian Day
Christopher Lee Gibson
Rachel M. Graff
Simon Joseph Haake
Rong Hua
Reid Elizabeth Jones
Gilbert Edward King
Samantha Lillian Kirby
Alice Frances Pierce
Laniesa Cherie Shafer
Dangaia Alfre Simone Sims
Molly Rebecca Smith
Ernest Landon Washington
Mary Nina Woessner

Folklore
Cristin Elizabeth Accardi
Elizabeth Ashley Thompson

History
Cheryl Xue Dong
Daphne Fruchtman
Jeanine Navarrete
Elizabeth Drew Sawyer

Linguistics
Lucia Lopes Fischer
Katherine Elaine Shaw

Mass Communication
Laura Heisner Marshall
John Russell Remensperger
Kathryn Shumake

Musicology
David Vanderhamm
Oren Vinogradov

Political Science
Walter Edward Brownlow
Christopher Martin Caver
Claire Elizabeth Greenstein
Joshua M. Jansa
Bryce Loidolt
Lindsay Reid
Drew Alan Sampson
Casey Edward Stegman
Christian Gerritt Watt

Psychology
Benjamin Edwards Buck
Kristin Michelle Healey
Brooke Erin Magnus

Romance Languages and Literatures
Emily Rose Loch
Ruben Adrian Rosales

Russian and East European Studies
Regina Nachreiner Kutle
Rebecca Frances Ruck

School Psychology
Genna R. Durante

MASTER OF CITY AND REGIONAL PLANNING
Katherine Painter Dydak
Eryn Rosenblum

MASTER OF SCIENCE

Biostatistics
Katelyn Ruth Garcia
Jessie Jiarong Wang

Management
Honey Jhala

Computer Science
Hal Winchester Canary
Wenyu Lu
Alfredo Esteban Miranda
Hengchin Yeh

Dental Hygiene Education
Antiana Deshawn Perry

Environmental Sciences and Engineering
Ryan D. Cronk
Katherine Hope Harrold

Geological Sciences
Jesse Stuart Hill
Jennifer Mason Johnson
Roger Lowell Putnam III

Marine Sciences
Emily Gray

Nutrition
Sai Lao

Occupational Therapy
Katherine Lyn Cox
Manisha Dass
Lauren Elizabeth Demoss
Megan Elizabeth Garrett
Courtney Ann Graham
Margaret Ferrell Hyneman Proctor
Eunhwa Jung
Brian Eugene Lattner
Amanda L. Lert
Carrie Catherine Michael
Lillian Joyce Parrish
Michele Erin Redderson
Willis Todd Robertson
Jenny Louise Thompson
Lauren Michelle Williams
Lauren Ashley Williford

Operative Dentistry
Kristi Ellen Erickson

Physics
Kyle Joseph Snavely

Rehabilitation Counseling and Psychology
Lauren Renee Bangert

Speech and Hearing Sciences
Jennifer Lynn Fuchs

Statistics and Operations Research
Bryan Taekyung Jung
Jianping Liu
Wissuta Prasertpol
Jeremy Sabourin
Han Ye

The Kenan-Flagler Business School
ESTABLISHED 1919
Interim Dean John P. Evans

MASTER OF BUSINESS ADMINISTRATION
Allen W. Baker
Marc Andrew Calabrese
Jill Elizabeth Clancy
Jamie E. DeMaria
Ana-Laura Diaz
Jonathan Matthew Doorley
Paul M. Douglas
Brian T. Edwards
Alexander Escobar
Kristen B. Fanarakis
Javier Ferraez Corres
David Fineberg
Andres Eduardo Galindo
Julie M. Goodliffe
Ryan Marc Greenway
Daniel M. Hager
Shawn M. Hoyer
Jason Ronald Jenny
Kamira T. Jones
Tracey Lyn Keiter
Joseph Naylor Kenan
Scott Matthew King
Kristine A. Kurtzeborn
Elizabeth A. Larson
Michael A. MacIntyre
Ranjeet Ravindra Mankikar
Christopher Mannix
Adam Garland Mayfield
Fiona F. McFarland
Brian L. McGrath
Marc Medeiros
Latonya Danelle Montford
Kristan King Nevins
James Dertad Omartian
Michael P. Orazi
Dandre K. Payne
Carlo Pedrazzini
Martin Penagos
Phillip Wayne Poliquin
Russell M. Pool
Arivanandam Rajaraman
Raghu Ramaiah
Manohar Reddy Sama
David Erik Sneed
Scott Suttmeier
Alfred Tang
Sonali Bose Thier
James Phillips Thomas Jr.
Jose Angel Touzon Aguilera
Rosa Elleni Vargas Brito

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

MASTER OF ARTS IN TEACHING
Lena Anne Abed
Anna Christian Allen
Ashley Laren Andersen
Wendy Gonzalez Bateman
Maxine Elise Bier
James Stedman Bryan
Emily Elizabeth Burns
Kay Cee Butcher
Sarah Tillett Cade
Jordan Rana Carter
Christina Marie Clark
Andrew Ronald Coffey
Philip Henry Cook
Amanda Katherine Devetski
Katherine Elizabeth Dow
Monique Yvette Gareau
Ciaran Rea Harris
Audrey Karina Hartye
Justin Dale Hawn
Ashley Michelle Honaker
Andrew James Jester
David Carlisle Kayler
Elizabeth Seton Mazzocchi
Daniela Maria Osegueda
Jessica Danielle Pierce
Megan Lee Pierce
Michael Thomas Rhodes
Sara Sullivan Riley
Tatum Lynette Rimmer
Holly Shea Roberts
Liana Marie Roux
Jeremy Alan Sanders
Joel Anthony Smith
Cameron Arthur Sykes
Sally Ann Wheeler
Jessica Smith Yates
Skylar B. Zee

MASTER OF EDUCATION
Stephanie Barnett
Sarah Marie Black
Tiffany Richardson Brown
William Averett Brown
David Morris Buff
Camila Oliveira Dossantos
Kevin Raymond Duquette
Allison Anne Frosch
Barbie Garayua-Tudryn
Christopher Daniel Gibson
Chancie Louise Housholder
Elizabeth McKinley Kane
Maureen Lynn Shields Kurz
Bisset Ginmyung Lee
Casey Malarney
Kathryn Mauck
Makeda Alycia Miller
Mary Wallace Monroe
Ciera Raquel Nicholson
Sara Jeanne Predieri
Lindsay Nicole Ross
Chonthicha Eve Vongchucherd
Laura E. Walton
Carl Yiu
Xiaoying Zhan
Christine Renee Zimmerman

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Nathalie Baudrand
Robert Lee Cooper
Ying Han
Pan Hu
Sherief Ahmed Khaki
Sara Mannheimer
Chelcie Juliet Rowell

MASTER OF SCIENCE IN LIBRARY SCIENCE
Trudi J. Abel
Allison Elisabeth Buehler
Maria Eugenia Chastain
Meghan Eileen Croll
Allison Dixon
Anona Catherine Earls
Susan Lynn Ivey
Jennifer Elizabeth Polidoro
Daniel Coley Sumerlin
Alexandra Simms Toomey
Jaycie Nicole Vos
Janeen Elyse Williams
Jessica Lee Wood

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY
Christina Marie Aluri
Nicholas Camilleri
Natalie Lawler Chapin
Megan L. Christiansen
Kimberly Dale
Donna Dean
Megan Jo Eyler
Betsy Anna Frederick
Alexandra Smith Gormley
Brandon Michael Hall
Erin Toomey Hopper
Kyle E. Hoppes
Elisabeth P. Kensrue
Carly C. Laper
Joanne Grace Larowe
Angela Diane Lauten
Brandon Dayley Lindquist
Matthew G. Medlin
Lauren Michelle Lemmons O'Neill
Kendall Nicole Schlossberg
Cassandra Lee Short
Lauren Bailey Suggs
Britt Alexandria Tatum
Jennifer A. Tooher
Elizabeth Carlton Waddell
Sarah Ann Yancey

The School of Nursing
ESTABLISHED 1950
Dean Kristen M. Swanson

MASTER OF SCIENCE IN NURSING
Karla M. Abela
Sarah Kyunga An
Kimberly R. Cash
Danielle Angel Deoliveira
Tajuane Horton Dockery
Barbara Walsh Eron
Mary Trimigan Holmes
Terry York Law Jr.

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

Jitesh Jagdish Chawla

MASTER OF PUBLIC HEALTH

Samantha Alice Michelle Aaron
Elena Marie Adamo
Nesochi Nonyelum Adimorah
Nazir Haroon Ahmad
Tania Arthur
Uzma Atif
Kiri Wiggins Bagley
Vaishnavi Bhaskar
Natalie McCarter Bowman
Kelly Bragg
Gary Francis Burke
Timica Donyeal Campbell
Jamie Lynn Carter
Claudia I. Castillo
Jie Chen
Russell James Coletti
Caroline Elizabeth Gass
Eric S. Golike
Joseph Robert Grubbs Jr.
Ann Wright Hallyburton
Robert Preston Hutchins
N'Djamina A. Johnson
Renee Cynthia Johnson
Eric Stephen Kiechle
Ja Yeon Kim
Sarah N. Kim
Cameron Trevor Locklear
Sophia Naz Malik
Daniel Taylor McMillan
Brian E. Moore
Virginia A. Moye
Jennifer Lynn Neumann
Ifeoma Ndidi Onwubiko
Amy Alderman Poe
Pradeep J. Poonnen
Zeinab Saleh
Claire Jean Thomson
Kari G. Tomlinson
Johannah Torkelson
Jacob Wang
Nancy Nan Wang
Daniel Joseph Watford
Elisa Wershba
Daniel Bennett Whitesides
Cameron Robert Wolfe
Heidi Pauline Worley
Wei Xue
Hannah Yin

MASTER OF SCIENCE IN CLINICAL RESEARCH

Dolly Chanta'E Penn
Katherine E. Reeder-Hayes

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCES AND ENGINEERING

Jessica Montanez

MASTER OF SCIENCE IN PUBLIC HEALTH

Gina E. Brown
Jennifer Casanova
Smrithi Dinesh Divakaran
Autumn Danylle Locklear
Raha Njoki Manyara

The School of Social Work

ESTABLISHED 1920

Dean Jack M. Richman

MASTER OF SOCIAL WORK

Allison Banning Mangin
Anna Byrd Parisi
Aqiyla Melissa Thomas
Katherine Barrette Welch
Jie Yang

BACCALAUREATE DEGREES

August 2013

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African and Afro-American Studies
Melvin Charles Aikens Jr.
Shawn Alexander Boykin
Jasmin Chantel Howard
Lauren Elizabeth Kennedy
Amanda Milagros Rodriguez

Anthropology
Shawn Alexander Boykin
Chris Michael Broadley
Desiree Pamela Ferrell
Sarah Elizabeth Flores*
Ayat Gamal Ali Hamza
Iesha Doretha Lenora Joyner
Anna Wrenn Morton*
Allison Renee Oliphant
Karmen Leigh Strickland

Archaeology
Paige Alyse Ford
Lindsay Rene Shirkey*

Asian Studies
Marteka Deva Fair
Brian Kristopher Ladd*+
Umber Siddiqui
Pang Tao Yang

Biology
Alice Lynn Athey
Ashley Andrews Barham
Mayrim Bernard-Vega
Elizabeth Ann Cronin
Megan Alane Gyoerkoe
Erin Dorothea Holdaway
Laura Kaodichi Ibeto
Heather Simone Kizer
William Matthew Lathery
Tiffany Yunha Lee
Karley Ann Murphy
Tonmoy Sabur Nasiri
Precious Eberechukwu Ogbuefi
Ankita D. Patel
Kishan Mahesh Patel
Monika Shailesh Patel
Melissa Mary Porco
Umber Siddiqui
Melina Perroni Silva
Veronica Mary Stark
Karmen Leigh Strickland
Elizabeth Joy Vanlue
Morgan Elizabeth Winslow

Chemistry
Robin Feito*
Robert Carroll Gollmar
Yuri Dmitri Hroblak
Gabriele Eugenia Seider
Samuel Forrest Williams

Communication Studies
Melvin Charles Aikens Jr.
Jared Parker Dalton Ange
Kristen Marie Baranowski
Emily Caroline Bohbrink
Kira Louise Borman
Amber Jean Brooks**
Stephan Bruscino
Kristen Mary Chavez*
John Morgan Bert Cockerham
Ashley Brianne Cox*
John David Ernstes
Christopher Jeffery Feagles
Douglas A. Ferguson
Austin Cade Fisher
Hannah Irene Floyd**
Tamara Gavric*
Graham Mark Gerald
Rocco Louis Giamatteo III**
Eric Kwame Hall
Gregory Hansbrough
Ethan Christopher Henderson
James Hayden Hunter
Chloe Noelle Kizer
Howard Kelly Landis IV
Junette Y. Lee
Benjamin Andrew Long
Kelsey Marie Mays*
James Charles McLeod*
Luke Volpe Mojica
Brandon Payne Moree
Brett Nagle
Daniel Brattain Paustian
Madeline Blair Pendergraft**
Erik Josef Peterson
Samuel Leigh Peterson*++
Timothy David Proctor
Kyle Lamont Rainey
Stacey Kathleen Robison
William Pollitt Rowe
Myca Ashley San Miguel
Lyndsay Marie Schultz
Dawn Christine Sesta*
Cayla Brooke Shortley
Rex Allen Stewart Jr.*
Sean Patrick Taylor
Chrishawn Debrina Williams
Kallie Wray
Yeina Yi*

Computer Science
Mohsin Mazhar Ali+
Albert Thomas Ferguson

Contemporary European Studies
James Griffith McLeod

Dramatic Art
Candace Rena Crawford
Ryan Michael Goer
Jo Saberniak
Banshion Lazarus Simmons

Economics
Paige Noelle Andrews+
Benjamin A. Badgley
Brice William Barnett
Katherine Elizabeth Burton*
Zachary Scott Clayton
Kurt Jacob Deutinger
Ehimere Tokoni Etomi
Amber Lydia Evans
Jacob Francis Filip
Morgan Leigh Hicks
Elissa Faith Hill
Ann Habersham Johnston**
Yannan Kang
Jameer Ondre Logan
Smith Alexander Marks
Sabrina Renee Negron
Patrick Lowell Nolan
Sean Daniel Olson
Kishan Mahesh Patel
Pavan Divyang Patel
Te Qi
Alec Harris Rubenstein*
Christopher Jacob Serody
Haoyu Song
Travis Aaron Spencer
Carlos Arturo Vaca
Zachary Aaron Weiner
Lucas Addison Winters
Michael Yim

English
Claudia Yanet Alonso
Jonathon Andre Beckles
Stephanie Leigh Blackmon
Patrick Eugene Brown
Stephan Bruscino
Ashlea Marie Carver
Samantha Scully Deal
Noah Francis Dehmer
Sarah Daniele Dickerson
Anna Grace Fairley
Nina Morgan Frank
Kendall Alexandra Graham*
Michelle Elizabeth Hardin
Dewitt Jones II
Wallis Faith McElroy
Maryanne Elizabeth Rackl*
Rachel Erin Shope*
Kimberly Mason Smith
Madison Averi Swofford**
Michela Jean Wagner*
Bennett Gray Williams

Environmental Studies
Evelyn Laura Harris
Julio Marcelino Parede Jr.
Juliette Helene Rousseau
Ernest David Sumner II

Exercise and Sport Science
Curtis Anthony Campbell
Antonio Victor Castillo
Ashley Annette Contreras
Haleigh Mariah Dickey
Michael Jemar Dyson
Jasmine Hall El
Emily M. Garrity
Travis Eugene Gavalis
David Kyle Goldsmith
Casey Ann Grice
Glorie Anne Gutierrez Soto
Michael W. Hefron
Nicholas Darnell Heggie
Heather Suzanne Henry
Daniel Ward Heyward
Marcus Phillip Howard
Emily Ellyn Hudson
Nicholas Ramon Johnson
Zoya Y. Johnson
Kathryn Marie Knapp
Kendall Mugo Lancaster
Brock Anthony Livorio
Thomas James Luchsinger
Holli Marie McClendon
Kyle Porter McDermott*
Patrick Lamar McPhail
Jennifer Anne Ortiz
Joseph Baxter Overman
Clayton Elias Parros
Reynaldo Alejandro Radlin
Matthew Allen Ridenhour
Trevor Allen Scott
Max Rifkin Sterling
Gina Maria Suarez-Malaguti
Eliott Ricardo Torres
Nicol Rossano Williams Jr.

Geological Sciences
Demarcus Shontae' Artis
Ashley Andrews Barham

Geography
Lauren Elizabeth Biles
Douglas A. Ferguson
Zachary Ramsey Frere*
Cameron LeCarter Horne
Jordan Paul McClead
Stephen Jackson Morgan*
Marshall David Price
Ernest David Sumner II
Jake Austin Vincent

Germanic and Slavic Languages and Literatures
James Nicholas Brennan
Martin Christoph Eiler
Erik Josef Peterson
Laura Storey Pianowski

Global Studies
Erin Elizabeth Burks
Rachel Mae Dickinson*
Jaclyn Marie Diederich
Desiree Pamela Ferrell
Monique J. Gainey
Cathryn Elizabeth Hoffmann
Erienne Dixon Jenkins
Robin Mathew Joseph
Nihad M. Mansour*
Tannyce Shannelle Parris
Jason Ralph Perfetto
Jordan Edward Powell
Michelle Erin Pujals*
Lisa Christine Spaeth
Ruksona Kamil Usmanova

History
Faranak Shahsavar Amiri
Benjamin A. Badgley
James Nicholas Brennan
Justin Michael Combs
Jaron David Fleming
Michael Rodgers Folk
Alexander Lloyd Freeman
Kendall Alexandra Graham*
Cliff Vincent Hall
Cora L. Harms
Samuel Francis Hobbs+
William Scott Jacobsen
Chloe Noelle Kizer
Fred Wilson Lowry III
Ryan Chase Reynolds Macaione
Fred Derek Matt
Jordan Paul McClead
John Spratt McColl Jr.
Eric Cameron Melton
Meredith Margaret Nichter*
Ross Williams Pope
Zina Marie Scott-Payne
Sean Michael Sullivan
Percia Leelonda Swift
Karen Tatiana Villeda

Interdisciplinary Studies
Emily Erin O'Mara*

Linguistics
Zachary Cannon Allen
Michael I. Chen
Abigail Tuazon Gonzales
Elizabeth Anna Rider Wilson

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white. At University commencements, balls and other social events, the student officials, managers and marshals wore the color of their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors. When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

Management and Society
Justin David Baugh
John William Gillespie
Joshua Charles James
Thomas Spencer Mann
Sabrina Renee Negron
Gracen Ervin Pittard
Steven Russell Rastivo
William Alexander Scroggs
Daniel Salim Tannous
Thomas Cornay Wood

Mathematics
Paige Noelle Andrews
Daniel Steven Fox
Dylan James Greenleaf*
Patrick Robert McCarthy
Patrick Lowell Nolan
Te Qi
Alissandra Nicole Rodriguez
Xiangying Wu*

Music
Joseph Michael Partin

Peace War and Defense
Alena Paige Callahan
David Lawrence Drandorff
William Scott Jacobsen
Robin Mathew Joseph
Jordan Colby Lovin
Kyle Porter McDermott*
Eric Andrew Murbach*
Karen Tatiana Villeda

Philosophy
Jacob Francis Filip
Christopher J. Serody
Joanna Ruth Steele

Physics
Jo Saberniak

Political Science
Talia Zaina Alsous*
Andrew Owen Beatty
Latashia Bethea
James Carlin Braid
Carlos S. Cano
Curtis Fennell Carr
Katherine Lewis Carson
David Michael Coffey
Therren Jermaine Dunham
Courtney Katherine Hasty
Morgan Leigh Hicks
Jasmin Chantel Howard
Kevin William Kimball
Lauren Ashley Maddox
Woodward Hampton McKee
James Griffith McLeod
Oumou Kalsoum N'Dour
Amanda Milagros Rodriguez

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Carina L. Saavedra
Robert Cooper Smith
Samuel Forrest Williams
Pearce Paul Wurthner-Labrecque

Psychology
Devon Lehn Abdo
Alexandra Maxwell Armor**
Kassindra Alexandria Arnet
Rebecca Lynn Bennett
Briley Irene Brand
Kimberly Parker Carroll
Margaret Ann Cavanaugh
Rachel McQueen Chaney*
Monica Nwamaka Chioke
William Caldwell Clement
Andrea Laniece Cole
Tori Neshelle Darby
Martin Christoph Eiler
Theresa Flores
Tamra Franklin
Lendra Abril Gause
Sharay Danielle Griffin
Ayat Gamal Ali Hamza
Michelle Elizabeth Hardin
Isabel Alegria Hernandez
Laquinta Yvonne Holloway
Rachael Ann Kelly**
Lauren Elizabeth Kennedy
Lauren Michelle Krimminger
Christina Gayle Layden
Amanda Nicole Litwak
Lyndsay Michelle Mahaffey
William Lester Marion II
Marin Elisabeth Matchinske-Brehmer
Holli Marie McClendon
Kyung Hwan Min
Samantha Louise Nau
Nadia Paige Phipps
Tachae Precious Pone
Stephanie Brooke Royal
Lindsay Cheyenne Short
Kimberly Mason Smith
Rebecca Ann Smith
Makenzie Katlin Snyder
Molly Sarah Staton
Tasha Niccole Thaxton
Solana Rai Wild
Anna Sullivan Williams
Haley Dawn Williamson

Public Policy
Lakesha Nichole Buckner
Veronica Joyner
Madison Averi Swofford**
Adam Thomas Tucker

Religious Studies
Eugene M. Kirzhner

Romance Languages
Alice Lynn Athey
Mary Hunter Benton
Zaki Krishan Dard
Rachel Mae Dickinson*
Nihad M. Mansour*+
Virginia Ellen Miller
Michelle Erin Pujals*
Stacey Kathleen Robison
Tasha Niccole Thaxton
Irene Valentina Ziri

Sociology
Rose Marie Combs*
Angela Fleming Cotton
Joyelle Autumn Gordon
Margaret Grace Hatcher
Michele Baker Hewitt
Cassandra Leigh McMillan*
Hector Luis Ramos III
Zina Marie Scott-Payne
Millicent Danielle Sessoms
Percia Leelonda Swift

Studio Art
Devon Lehn Abdo
Katherine Anne Kombol
Michela Jean Wagner*

Women's Studies
Ashlea Marie Carver
Bridgette Alexis Evans
Kyung Hwan Min
Tonja Senora Tolliver

BACHELOR OF FINE ARTS
Katherine Francis Bobeck
Anna Wrenn Morton*
Jonathan David Rollins*
Gabriele Eugenia Seider

BACHELOR OF MUSIC
Anna Kristen Barney
Ryan M. Dickey*

BACHELOR OF SCIENCE

Biology
Mohsin Mazhar Ali
Brennan Alexis Allen
Mary Hunter Benton
Lauren Asheley Bonura
Dalton Peter Brooks III
Austin Joseph Chambers
Zaki Krishan Dard
Patrick Stuart Edmundson
William Franklin Exline
Albert Thomas Ferguson
Abigail Tuazon Gonzales
Cali Corrine Huffstickler
Nicholas Joseph Masciello
Drashti Ashvinkumar Patel
Pratik Suresh Patel
Geordan Clark Stroud
Adam Scott Turner
Sai Yang
Michael Yim
Jessie Weikang Zhang*

Computer Science
Joshua Allen Bancroft
Sean T. Crews*
Denver Zachary Davis
Samuel Eric Neuspiel
Saikrishna Vennam

Environmental Sciences
Molly Chapin Bost
Dylan James Greenleaf*
Xie He
Hayley Elizabeth Vatcher

Geological Sciences
Becky Mary Belle Emmons
Katlin Elizabeth Howard
Hayley Marie-Elizabeth Irick
Laura Storey Pianowski+
John Drew Burett Stephens
Jennifer Lynn Todd
Samuel Joseph Smail Wright

Mathematical Decision Sciences
Sealy Marguerite Cross
Philip Evan Laganis
Cassandra Leigh McMillan*
Alissandra Nicole Rodriguez

Mathematics
Michelle Uchenna Ajumobi
Zachary Cannon Allen
Brian John Cristante*
Daniel Thomas Gillis
Xie He
Bryan Patrick Lloyd

Psychology
Mathew Akira Adam-Houser+
Megan N. Cairns
Michael I. Chen
Ziqiang Cheng
Mai Nhu Doan
Shaunte' Renee' Ekpo-Otu
Samuel Wyatt Ewing
David Boyce Gillespie Jr.
Heather Simone Kizer
Brittany Gayle Knight
Suzanne Le
Tiffany Yunha Lee
Ryan Chase Reynolds Macaione
Nicholas Joseph Masciello
Drashti Ashvinkumar Patel
Dawid Dewet Smith
Jacob Leonard Speaks
Eliott Ricardo Torres
Janelle Elizabeth Vecin
Mao Yang
Jessie Weikang Zhang*
Zhe Zhou
Morgan Patricia Zoellner

The Kenan-Flagler Business School
ESTABLISHED 1919
Interim Dean John P. Evans

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Nicholas Kyle Faruque*
Ian William Gawronski
Brian Andrew Gray
Byeong Hee Jang
Kevin Joshua Rowsey II
Alec Harris Rubenstein*
Xiangying Wu*

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Daniella Bejarano
Jessica Ann Cathey
Skyler McKenzie Lagcher*

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

BACHELOR OF ARTS IN EDUCATION
Omar Emmanuel Currie
Katherine Michelle Langdon
Madeline Elizabeth Morgan
Virginia Robin Wilson
Cheyenne Amanda Solorio
Miah Brione Williams

The School of Information and Library Science

ESTABLISHED 1931

Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

Jonathan Peter Bartel
James Westley Cox*
Mary Elizabeth Peterson*
Paula Lynn Seligson*

The School of Journalism and Mass Communication

ESTABLISHED 1924

Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM

William Leighton-Armah

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION

Faranak Shahsavar Amiri
John Andrew Couch
Sara Elizabeth Cowell
Carissa April Davis
Shar-Narne' Lefleur Flowers
Tamara Gavric*
Erica Leigh Heller
Ahna Rebekah Hendrix
Mary McAllister Holland
Nicholas Cameron Johnson
Catherine Elizabeth King
Avery Jessa Chapnick Kleinman
Benjamin Andrew Long
Wallis Faith McElroy
Kathryn Helen Moore
Hyojin Oh
Katherine Mary O'Neill
Jordan Edward Powell
Dawn Christine Sesta*
Courtney Lane Van Dyne
Janelle Elizabeth Vecin
Javier Mauricio Villarreal
Jordan Kennerly Weir
Anna Nicole Whitehouse

The School of Medicine

ESTABLISHED 1879

Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE

Brandon Michael Tracy

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Rasagna Kosaraju
Mary Rebecca Shen*++

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University. The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "sigul universitat carol septent" (Seal of the University of North Carolina) surrounded the drawing. A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared. In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma. Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

The English version of the University seal, pictured at left, appears on the stole that may be added to the bachelor's gown.

CERTIFICATES

August 2013

Undergraduate Certificates

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
Justin Linwood Gibbs
Jayson Kelley Griffin
Douglas Errick Remer
Guy Valente
Donna Britt Wright

Postbaccalaureate Certificates

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Elizabeth Piazza Chase
Kimberly Dianne Clement
Amy L. Cuni
Eric Phillip Deloso
Andrea Noel Halverson
Michael Joseph Kingberg
Meredith Alexis Kirk
Elizabeth Lane Ringer
Shannon Melissa Sullivan
Stephanie Marie Tepperberg
Laurel Duckett Voelker
Kerri Ann Ward
Holly Elizabeth Wenger
Amy Elizabeth Woodrum

CERTIFICATE IN FIELD EPIDEMIOLOGY
Margaret Hercules
Matthew Copeland Simon
Jiangmin Xu

CERTIFICATE IN GLOBAL HEALTH
Louise Rambo King

CERTIFICATE IN MATERNAL AND CHILD HEALTH LEADERSHIP
Deborah Keith Doolittle Day
Blair Elizabeth Nell

COMMENCEMENT COMMITTEE

Ronald P. Strauss, *Chair*
Valerie Ashby
Tiffany Bailey
Kiran Bhardwaj
Bridget Baucom
Angelyn (Angie) S. Bitting
Tony Botros
Jeanette (Jan) Boxill
Anne K. Bryan
Jill Hartman Crowder
Christopher Derickson
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
Deborah L. Hawkins
Christopher Lambden
Leslie S. Lerea
Karen Moon
Laura Hayes Morgan
Jacob Morse
Valerie A. Price
Erin C. Schuettpelz
Jane C. Smith
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Charles Streeter
Georgia Walker

Credits

Published by the UNC–Chapel Hill offices of Publications Services and UNC Creative. Photos by Dan Sears.
Special thanks to the following UNC–Chapel Hill offices: Registrar's Office, The Graduate School, News Services, Xerox Printing Operations.

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL IS A CONSTITUENT INSTITUTION OF THE UNIVERSITY OF NORTH CAROLINA.

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This program was printed without the use of state funds.

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

Sunday, May Eleventh | Two Thousand Fourteen

2014

COMMENCEMENT

The University *of* North Carolina
at Chapel Hill

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina, and we treasure this opportunity to celebrate with you as you commence the next steps of your life journey.

Families and friends of the graduates, no one could believe more in their capacity and character than you. On behalf of the Carolina faculty and staff, thank you for sharing your student with us, and congratulations as you also make a life transition.

Undergraduate, graduate and professional students, I hope that you find a moment this weekend to recall your Carolina years and realize how your time here has prepared you for your future. You have learned the tools to capture and shape your own transitions. You have developed enduring intellectual skills that will help you imagine a future you cannot yet see. Most importantly, you have developed the personal connections that will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

Graduates, you may feel uncertain about the next steps ahead. That is to be expected. But I urge you to "trust in the you of now," as the saying goes, and I promise that you will find your path and your passion.

Please keep in touch and visit Chapel Hill. We will be here, eager to help and applaud your success. Congratulations!

Carol L. Folt

CAROL L. FOLT

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services building from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Professor and Chair, Department of Chemistry* The Chief Student Marshals Representatives of the Faculty Fiftieth Reunion Participants The Candidates for the Degree of Doctor of Philosophy, Doctor of Education and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees The Official Party STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Members of the Air Force Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Emily Rose Siar, *Kenan Music Scholar*
Recognition of the Platform Party	Carol L. Folt, *Chancellor*
Remarks	For the Board of Governors of the University of North Carolina G. Leroy Lail *Presentation of the UNC Board of Governors' Award for Excellence in Teaching—* Christian Iliadis, *Professor, Department of Physics and Astronomy* For the Board of Trustees of the University of North Carolina at Chapel Hill W. Lowry Caudill, *Chair* For the General Alumni Association Robyn Hadley, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Joseph S. Ferrell, *Secretary of the Faculty*
Commencement Address	Atul Gawande, *Professor, Department of Health Policy and Management, Harvard School of Public Health; Professor of Surgery, Harvard Medical School; Director, Ariadne Labs; Founder and Chair, Lifebox*
Introduction of the Deans and Conferring of Degrees	Carol L. Folt, *Chancellor*
Ceremonial Recognition of the Graduates	Georgia Walker, *President of the Class of 2014* Tony Botros, *Vice President of the Class of 2014*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Emily Rose Siar
Recessional	

CAROL L. FOLT

Chancellor

Carol L. Folt took office as Carolina's 11th chancellor and first woman leader on July 1, 2013.

An internationally recognized environmental scientist and award-winning teacher, Folt served as interim president of Dartmouth College during 2012-2013. She also was Dartmouth Professor of Biological Sciences at the prestigious Ivy League institution.

Folt was formally installed as chancellor on University Day, October 12th, which marked Carolina's 220th birthday. She says the transformative power of public higher education is flourishing at the University.

In her installation address, Folt laid out an ambitious agenda for the future. "I believe that Carolina can be the leader in shaping the path for the great public universities in America. By preserving excellence and innovation, access and affordability, and a deep commitment to the state, we can gather strength to innovate and meet new challenges."

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology in 1982 from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

After joining the Dartmouth faculty in 1983, Folt rose steadily through the academic and administrative ranks. She was named associate director of Dartmouth's Toxic Metals Research Program in 1998, and two years later became associate director of the Center for Environmental Health Sciences. In 2001, she was appointed dean of graduate studies and associate dean of the faculty for interdisciplinary programs. She was promoted to dean of the faculty in 2004, tapped as acting provost in 2009, and named provost in 2010.

As interim president, Folt helped identify opportunities for greater collaboration across schools to enhance academic quality and competitiveness, oversaw growth in global partnerships, and augmented support for faculty, student and community entrepreneurship and technological innovation. She spearheaded a year-long focus on the arts, co-education and the future of higher education. As provost, she led the first strategic planning process, engaging hundreds of faculty, staff and students. Following the economic downturn, she co-led efforts to resolve a $100-million budget gap.

Folt's research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She and colleagues developed new technologies to assess mercury exposure and formed regional, national and international partnerships to shape public policy for safer waters. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

Officers of the Class of 2014

Georgia Katherine Walker, *President*
Anthony Nader Botros, *Vice President*
Rachel Margaret Uhlman, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Sutton Farthing '12, *Annual Fund Liaison*

Officers of the Class of 2015

Aleksander Huryn Seymore, *President*
Alexis Danielle White, *Vice President*
Dillon Riddle Vess, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Sutton Farthing '12, *Annual Fund Liaison*

Marshals of the Class of 2014

Zachary Robert Alexander
Robert Cody Allen
Andrea Lynn Alonso
Gabriel Josiah Baylor
Mary Morgan Bitler
Michael Anthony Cash
Tricia Anne Cleppe
Christopher Timothy Felix
Seve Michael Gaskin
Shelby Goerne
Kathleen Frances Goolsby
Amy Gilmer Hammond
Breanna Leigh Harris
Alexander Jackson
Suzanne Lynn Jasmine
Phillip Matthew Krouse
Chandler Elizabeth Leik
Andrew Ashcon Livingston
Farrell Margaret Murphy
Derek Carter Murray
Beejal Jayesh Patel
Harsh Chandresh Shah
Sara Shariff
Melissa Erica Shulman
Anna Elisabeth Spickard
Joseph Walker Swain
Jessica Rowan Tremayne
Cheyenne Dominique Turner
Roli Tyagi
Wooten Warner Underwood
Neha Vennekkat
Anna Katelyn Volz
Thomas Eugene Yandle

Marshals of the Class of 2015

Victor Ayodele Abiona
Vincent Ayodeji Abiona
Addison Duke Baker
Connor Moss Belson
Kendra Lee Benner
Aubree Broadwater
Kaylah Elizabeth Brown
Jordan Jeneva Budget
Meghan Elizabeth Cabell
Emily Rose Cerciello
Ashleigh Breanne Curry
Nia Joi Davis
Mary Elizabeth Entwistle
Julia Elaine Filler
Leslie Alexandra Finch
Catherine Olivia Frere
Roderick Amal Gladney
Rene Gupta
Yasamin Haghshenas
Katrina Louise Hauprich
Claire Catherine Herzog
Brittany Monique Hollis
Erica Vimala Kakarlamudi
Jamison Nicole Kies
Savannah Mae Lagaly
Jordan Thomas Larson
Fanny Jasbeidy Laufters
Emily Elizabeth Mann
Christopher Alan Martin
Graham Joseph Martin
Manoj Mirchandani
Camille Elyse Morgan
April Amber Peterson
Katherine Beadles Pope
Kristina Alexis Redd
Justin Andrew Reyes
Erin Maureen Rolandelli
Austin John Root
Jeane' Roshell Rowell
Sarah Devonna Rutherford
Kayla Lucky Slake
Hilda Tajalli
Rachel-Kaylah Marie-Antwanette Tates
Naintara Viswanath
Catherine Hamilton White
Darius Jamal Whitney
Margaret Lynn Zenkel

Graduate and Professional Student Federation Officers, 2014

Kiran Bhardwaj, *President*
Julie Lauffenburger, *Vice President for Internal Affairs*
Xin Liu, *Vice President for External Affairs*
Dylan Glatt, *Chief of Staff*
Autumn McClellan, *Treasurer*
JoEllen McBride, *Secretary*

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Raleigh, N.C.

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Kelly Matthews Hopkins
Charlotte, N.C.

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Chapel Hill, N.C.

Dwight D. Stone
Greensboro, N.C.

Christopher Lambden
EX-OFFICIO
Chapel Hill, N.C.

Speaker and Honorary Degree Recipient

ATUL ATMARAM GAWANDE

DOCTOR OF SCIENCE

Atul Gawande, M.D., M.P.H. is a surgeon, writer and public health researcher. He practices general and endocrine surgery at Brigham and Women's Hospital in Boston. He is a professor in the Department of Health Policy and Management at the Harvard School of Public Health, professor of surgery at Harvard Medical School and director of Ariadne Labs, a joint center for health systems innovation. He is also the founder and chair of Lifebox, an international not-for-profit that implements systems and technologies to reduce surgical deaths globally.

Gawande has been a staff writer for the New Yorker magazine since 1998. His June 2009 New Yorker essay comparing two Texas towns with dramatically different healthcare costs showed how more expensive care could be worse care, reflecting practices performed more for business reasons than medical needs. The article changed public understanding about the broken incentives in healthcare. In addition, it won a National Magazine Award and was hailed as the best explanation to date about why our healthcare is so expensive and what can be done about it.

Gawande has also written three best-selling books. "Complications" examines the fallibility of doctors, the mysteries of medicine and the unknowns of the field. It was a finalist for the National Book Award in 2002. "Better" was selected as one of the ten best books of 2007 by Amazon.com. In it, Gawande discusses three virtues most important for success in medicine: diligence, doing right and ingenuity. His third book, "The Checklist Manifesto: How to Get Things Right," discusses the importance of organization and pre-planning. Gawande has won two National Magazine Awards, AcademyHealth's Impact Award for the highest research impact on health care, and a MacArthur Fellowship, and he has been named one of the hundred most influential thinkers by Foreign Policy and Time magazines.

Honorary Degree Recipient

MARJORIE BRYAN BUCKLEY

DOCTOR OF LAWS

Marjorie Buckley is a former teacher, lifelong volunteer and visionary philanthropist. A native of Goldsboro, N.C., Buckley graduated Phi Beta Kappa from Carolina in 1962 with an A.B. in Education. She began her career as a teacher in Raleigh and the American School in London and as a research assistant at the University of Melbourne, Australia, School of Education. Buckley led the effort in 1965–67 to establish the North Carolina Outward Bound School which has program areas in Western North Carolina, the Outer Banks, Florida, and Patagonia, South America. Annually, it serves on average 2,000 students with life-changing wilderness programs and 4,000 students with urban programs through a partnership with the Atlanta Public School System. It also provides courses designed for practicing teachers and, among its scholarship opportunities for students at Carolina, courses for students earning a Master of Education and an annual course for incoming student body leaders.

Buckley's support was instrumental in founding the Carolina Center for Public Service. Dedicated in 1999, the center focuses on public service initiatives throughout the University and fosters a service ethic and practice among our students, faculty and staff. In honor of Buckley's father, Robert Emmet Bryan Sr. (Class of 1926), the center awards five Bryan Public Service Awards each year to recognize faculty, staff and students for their public service work on behalf of the University. Buckley has also established an endowment to support the center and its activities. Elsewhere on campus, she has endowed the Joseph P. Archie Jr. Eminent Professorship in Medicine, which focuses on autoimmune disease, and the Thomas James Distinguished Professorship Fund in Experiential Education. Buckley served on the Board of Visitors, the founding Board of Directors of the School of Education Foundation, the Carolina Bicentennial and Carolina First Campaign Steering Committees, and the founding executive committee of the Carolina Women's Leadership Council. Her honors include the General Alumni Association's Distinguished Service Medal (2004), the Board of Trustees' William Richardson Davie Award (2005), St. Mary's School Distinguished Alumnae Award (2010), the Governor of North Carolina's Order of the Long Leaf Pine (2011), and the Kurt Hahn Award (1992), the highest form of recognition conferred by Outward Bound in the United States.

Honorary Degree Recipient

BIDDY MARTIN

DOCTOR OF LAWS

Biddy Martin is the 19th president of Amherst College, a position she has held since 2011. Previously, she served as provost of Cornell University and chancellor of the University of Wisconsin-Madison. A native of rural Virginia, Martin was her high school's valedictorian and set a school scoring record for basketball. She graduated Phi Beta Kappa from the College of William and Mary, and earned a Ph.D. in German literature from the University of Wisconsin-Madison.

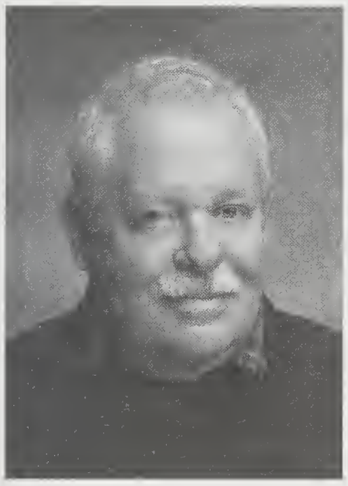
Martin is the author of many scholarly articles and two books, "Woman and Modernity: The Lifestyles of Lou Andreas-Salomé" (1991) and "Femininity Played Straight: The Significance of Being Lesbian" (1996). Her record of teaching and scholarship in German studies and women's studies has earned her membership in the American Academy of Arts and Sciences, but it is as an administrative leader in higher education that she has made her most enduring contributions. At a time when public higher education has experienced repeated budget cuts and its role in the body politic questioned, Martin has been a passionate leader and spokesperson for the importance of a liberal education in a democratic society. At Cornell she worked on initiatives to enhance recruitment and training of women in the sciences and tackled the question of access and financial aid with the goal of enabling first-generation college students to graduate debt-free. At UW-Madison, she led successful efforts to increase need-based financial aid, improve undergraduate education and enhance research. She also launched the Madison Initiative for Undergraduates to enhance student advising, introduce innovations in undergraduate programs and increase faculty diversity.

In the face of a drastic decline in state funding, Martin led an unsuccessful effort to achieve institutional autonomy in order to secure Wisconsin's future as one of the nation's leading public institutions of higher education. During her relatively short tenure at Amherst she has ushered the college through institutional soul-searching following a series of reports of a culture of sexual misconduct among undergraduates. The New York Times commented that "no college leader in the country was as well prepared to face this controversy as Biddy Martin."

Honorary Degree Recipient

ARMISTEAD JONES MAUPIN JR.

DOCTOR OF LETTERS



Armistead Maupin, Carolina Class of 1966, grew up in Raleigh. As an undergraduate here he wrote a column for the Daily Tar Heel and was elected vice president of the senior class. After graduation, Maupin worked at WRAL-TV in Raleigh before enlisting in the United States Navy. He served as an officer in the Mediterranean and with the River Patrol Force in Vietnam. Returning home in 1970, he won a top award from the Freedoms Foundation at Valley Forge under the sponsorship of Senator Jesse Helms. Maupin worked as a reporter in Charleston, S.C., and then with the Associated Press in San Francisco. In 1976, while at the San Francisco Chronicle, he launched the groundbreaking work that would propel his literary career for almost four decades. "Tales of the City" began as a serialized novel—perhaps the most successful example of that genre since Charles Dickens—and eventually became a sequence of nine globally bestselling books. In 1994, "Armistead Maupin's Tales of the City" became a controversial PBS miniseries whose vocal opponents included Maupin's former champion Jesse Helms. The miniseries earned record high ratings and a Peabody Award, broadcasting's most prestigious honor. Maupin's other novels include "Maybe the Moon" and "The Night Listener." Today, when same-sex relationships are commonly part of popular culture, it is perhaps difficult to remember the way in which "Tales of the City" empowered its early readers and shattered barriers. More than any other work of fiction, the Tales novels set a precedent for the inclusion of gay, lesbian, bisexual and transgender people in mainstream American literature as folks who experience the same foibles, follies and desire for love that lie at the heart of the human condition everywhere.

Honorary Degree Recipient

BEVERLY EAVES PERDUE

DOCTOR OF LAWS

Beverly Eaves Perdue served as the 73rd governor of North Carolina, having been elected to that position in 2008 following two terms as the 32nd lieutenant governor. Previously, she had served in both houses of the General Assembly, including five terms in the Senate where she rose to leadership as the senior budget writer. She is the first woman to have held either of North Carolina's highest elective offices.

Perdue was born and raised in Grundy, Va., where her father worked as a coal miner and eventually came to own several companies in the coal business. Perdue earned a bachelor's degree from the University of Kentucky and both a master's degree in education and a doctoral degree in education administration from the University of Florida. She is one of only two North Carolina governors to hold an earned doctorate. Before entering state politics, Perdue worked as a public school teacher and as director of geriatric services at a community hospital in New Bern. As a state senator she championed passage of the 2000 Michael K. Hooker Higher Education Facilities Financing Act. This bond referendum passed by more than 73 percent of the statewide vote in all 100 counties and provided needed resources for critical infrastructure improvements at the state's community colleges and public universities.

As lieutenant governor, Perdue cast the deciding vote to establish the North Carolina Education Lottery which has directed millions to the day-to-day operations of the public school system. As governor during the most difficult economic times in decades she maintained the state's triple-A credit rating and worked tirelessly to preserve North Carolina's commitment to education from kindergarten to college. She oversaw North Carolina's preparation and response to Hurricane Irene in 2011; supported the recommendation of the Governor's Task Force on Eugenics Compensation that victims receive compensation; expanded the Pre-K program across the state; and granted full pardons of innocence to the Wilmington 10.

In 2013, Perdue served as a resident fellow at the Harvard Institute of Politics and was later named a distinguished visiting fellow at Duke University's Sanford School of Public Policy, where she also serves as an advisor to Duke's Center for Child and Family Policy. Currently she is founder and chair of the Digital Learning Institute, funded by the Bill & Melinda Gates Foundation and the Carnegie Corporation of New York.

Honorary Degree Recipient

ANNE FIROR SCOTT

DOCTOR OF HUMANE LETTERS

Anne Firor Scott, a pioneering historian of American women whose efforts helped open the doors of the history profession to female scholars, is William K. Boyd Professor Emerita of History at Duke University.

In the 1960s and 1970s, Scott was a founder of the field of U.S. women's history, and especially of southern women's history. Her pathbreaking book "The Southern Lady: From Pedestal to Politics" (1970) moved women from the margins to the center of southern history. Later works explored women's biography, voluntary organizations, education and relationships across racial lines. Scott's scholarship drove home the simple yet transformative point that we cannot understand American history while ignoring half of the nation's people—an idea captured in her 1984 essay collection "Making the Invisible Woman Visible," and reinforced in her 1992 volume, "Natural Allies: Women's Associations in American History."

Inspired to study women reformers after working for the National League of Women Voters in the 1940s, Scott had earned her Ph.D. at Harvard/Radcliffe in 1958. In 1961, she took a history position at Duke until a "suitable replacement" for a departing man could be found. By 1980 she was William K. Boyd Professor of History and the first woman to chair Duke's history department. She would go on to serve as president of the Organization of American Historians (1983–84) and then the Southern Historical Association (1989), and was elected to the American Academy of Arts and Sciences in 2004.

Scott reflected upon her professional journey in her 1984 essay "An Historian's Odyssey," and profiled her female scholarly forebears in "Unheard Voices: The First Historians of Southern Women" (1993). Scott's seminal "The Southern Lady," meanwhile, has never been out of print. Its central questions continue to be debated—while Scott and the dozens of historians she mentored expanded inquiry into crucial questions of how gender, race and class have combined to shape women's lives. In 2008, at the age of 87, she published the edited collection, "Pauli Murray and Caroline Ware: Forty Years of Letters in Black and White."

A MESSAGE *to* CAROLINA'S NEWEST ALUMNI

Congratulations! You are now graduates of the University of North Carolina at Chapel Hill. Let your General Alumni Association help you make a seamless transition from students to alumni — no matter where you find yourselves after graduation. Visit alumni.unc.edu/youngalumni.

GETTING STARTED

Don't miss out on special invitations and services. Call (877) 377-7125 or visit alumni.unc.edu/update to keep your official University record updated. Jump start your network with Carolina alumni — join the GAA's groups on Facebook and LinkedIn.

ALUMNI CAREER SERVICES

Networking is the most effective approach to finding a job. The GAA can connect you with more than 7,000 alumni volunteers in our Alumni Advisor Network who can help you explore career options.

GAA members from the Class of 2014 have unlimited access (phone, email or in person) to the GAA's certified career coach for one year following graduation. If you're thinking about grad school, GAA members also receive discounts on Kaplan prep courses.

FINDING OTHER TAR HEELS IN YOUR AREA

- Local Carolina Clubs can be found in nearly 100 cities around the globe. Socialize, network, cheer on the Heels and continue that spirit of Tar Heel service within your community.
- The GAA's Online Alumni Directory can help you develop a network like no other. The directory includes nearly 280,000 former Carolina students.

TRUSTED INFORMATION SOURCE

The "Carolina Alumni Review," the "Out of the Blue" e-newsletter, the GAA's Twitter feed and alumni.unc.edu can keep you updated on the University's achievements and challenges as well as what's going on in Chapel Hill.

Congratulations again. We hope you'll choose to join the nearly 67,000 GAA members who remain connected and help serve Carolina and our students — past, present and future. The GAA offers new grads a one-year membership for only $25 — a $20 savings off our annual dues rate. Or save $50 on life membership — only $32.25/month for 24 months.

For more information on how the Association serves new graduates, please call Brandon Copeland '12 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL FUND *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been touched every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campuswide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund.

All gifts to Carolina are included as participation in the Senior Campaign and Annual Fund. Thank you to those who have already made your gift! You can still give online at annualfund.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit annualfund.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Carolina Annual Fund's young alumni social media: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni), and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit youngalumni.unc.edu.

CLASS OF 1964 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1964 will join the academic processional at commencement and will precede the undergraduates. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Journalism and Mass Communication
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Auditory Learning in Young Children
Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Laws
Master of Physical Therapy
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management;

Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Rehabilitation Counseling and Psychology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

A B C D E F G H I J K L M N
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
WEST FRANKLIN STREET
EAST FRANKLIN STREET
NORTH COLUMBIA STREET
SOUTH COLUMBIA STREET
to I-40 and MLK Jr. Blvd.
Bank of America Plaza
University Square
COLONY CT
FRATERNITY CT.
BASNIGHT LANE
CAMERON COURT
KENAN STREET
MALLETTE STREET
WEST CAMERON AVENUE
EAST CAMERON AVENUE
McCAULEY STREET
RANSOM STREET
VANCE STREET
PITTSBORO STREET
UNIVERSITY DR.
DAUER DR.
US 501 to Pittsboro
MASON FARM ROAD
WEST DRIVE
HOSPITAL DRIVE
MANNING DRIVE
NEW EAST DRIVE
EMERGENCY ROOM DRIVE
PAUL HARDIN DRIVE
BERNARD ST.
HIBBARD DRIVE
BRANSON STREET
WILLIAM BLYTHE DRIVE
KENAN CENTER DRIVE
SKIPPER BOWLES DRIVE
WILLIAMSON DRIVE
NINTON JAMES DR.
EHRINGHAUS DR.
MANNING DRIVE
STADIUM DRIVE
RIDGE ROAD
SOUTH ROAD
COUNTRY CLUB ROAD
RALEIGH STREET
RALEIGH ROAD
to N.C. 54 and Friday Center
BATTLE LANE
BOUNDARY STREET
HOOPER LANE
SENLAC ROAD
COBB DRIVE
LENOIR DRIVE
PAUL GREEN THEATER DRIVE
GIMGHOUL
GLANDON DRIVE
PARK PLACE
EAST FRANKLIN
Park Place Lot
PURIFOY ROAD
WHITEHEAD CIRCLE
OTEYS ROAD
US 15-501 / NC 54 BYPASS
FORDHAM BLVD.
BAITY HILL DRIVE
PINE LANE
BUTTONS LANE
LAUREL HILL ROAD
FERN LANE
IRIS LANE
to N.C. Botanical Garden
Horace Williams House
McCorkle Place
Coker Arboretum
Polk Place
Upper Quad
Lower Quad
The Pit
Carolina Inn
Peabody
Phillips
Davis Library
Wilson Library
Kenan Stadium
Loudermilk Center for Excellence
Bell Tower
Bell Tower Parking Lot
Stone Cultural Center
Fetzer Gymnasium
Woollen
Carmichael Arena
Hooker Fields
Fetzer Grandstands
Belk Track & Fetzer Field
Eddie Smith Field House
Navy Field
Knapp-Sanders
Memorial Grove
Forest Theatre
Cobb Parking Deck
Ehringhaus Field
Bryson Field
Cardinal Parking Deck
Dogwood Parking Deck
Jackson Parking Deck
Craige Parking Deck
UNC HOSPITALS
Student Family Housing
Odum Village
Ram Village at Paul Hardin Dr
Educational Foundation Parking Deck
Kenan Center
McColl
Dean E. Smith Student Activities Center
Koury Natatorium
Baity Hill Student Family Housing
Aycock Family Medicine
Coker Pinetum and Meeting of the Waters Creek
Outdoor Education Center
Student Academic Services
Water Tower
ITS Manning
ACC Express

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SUNDAY AFTERNOON, MAY 11

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Anthropology and Archeology	12:00 p.m.	Gerrard Hall	G-4
Art	12:30 p.m.	Hanes Art Center, Auditorium 121	G-2
Asian Studies	11:00 a.m.	New West, Room 219	G-3
Biomedical Engineering	12:30 p.m.	Murray Hall, Room G202	G-5
Chemistry	12:00 p.m.	Friday Center, Grumman Auditorium and Central Atrium	M-7
Classics	12:00 p.m.	Murphey Hall, Room 116	H-5
Communication Studies	12:30 p.m.	Dean E. Smith Center, Court	H-15
Computer Science	1:00 p.m.	Carroll Hall, Auditorium	G-4
Clinical Laboratory Science/Allied Health Sciences	11:30 a.m.	Wilson Library, Assembly Room	H-6
Dramatic Art	1:00 p.m.	Center for Dramatic Art, Paul Green Theatre	L-6
Economics	12:00 p.m.	Fed Ex Global Education Center	F-6
Exercise and Sport Science	12:00 p.m.	Fetzer Gym A	J-7
Geography	11:00 a.m.	Saunders Hall, Room 220	H-4
Germanic and Slavic Languages and Literatures	11:45 a.m.	Dey Hall, Toy Lounge	H-5
Global Studies	3:30 p.m.	Memorial Hall	H-4
History	12:00 p.m.	Hamilton Hall, Room 100	J-4
Honors Carolina	11:30 a.m.	Graham Memorial, Morehead Lounge	I-2
Environment and Ecology, Institute for the Environment	1:00 p.m.	North Carolina Botanical Garden	L-16
Linguistics	11:30 a.m.	Kenan Music Building, Rehearsal Hall	F-3
Mathematics	12:00 p.m.	Phillips Hall, Front Lawn	F-4
Music	2:00 p.m.	Hill Hall, Auditorium	G-2
Peace, War, and Defense	11:30 a.m.	Carolina Union, Aquarium Lounge	J-6
Philosophy	12:00 p.m.	Howell Hall, Room 104	I-3
Physics and Astronomy	12:00 p.m.	Chapman Hall, Room 201	G-4
Political Science	12:30 p.m.	Memorial Hall	H-4
Psychology	12:30 p.m.	Carmichael Arena	K-7
Rehabilitation Counseling and Psychology	1:00 p.m.	Medical Biomolecular Research Building Room G202	C-10
Religious Studies	11:30 a.m.	Saunders Hall	H-4
School of Information and Library Science	1:00 p.m.	Carolina Union, Great Hall	J-6
School of Journalism and Mass Communication	3:30 p.m.	Carmichael Arena	K-7
Statistics and Operations Research	12:15 p.m.	Hanes Hall, Room 120	H-4

CANDIDATES *for* GRADUATE DEGREES

May 2014 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Michael A. Abel, *Mathematics,* Virtual Crossings and Filtrations in Link Homology. Professor Lev Rozansky.

Carlos Abreu Mendoza, *Romance Languages and Literatures,* Sublime Peligro: Naturaleza, Sujeto y Nacion en Latinoamerica. Professor Juan Carlos Gonzalez Espitia.

Elizabeth A. Adams, *Psychology,* The Developmental Influence of Skin Tone on Psychosocial Outcomes Among African American Youth. Professor Beth E. Kurtz-Costes.

Maria Merced Aleman, *Pathology,* Cellular and Plasma Protein Cross-talk in Arterial and Venous Thrombosis. Professor Alisa Wolberg.

Jena Abdullah Al-Fuhaid, *English,* Feminine-Centered History and the "Good Cause" in Mary Shelley's Perkin Warbeck. Professor Jeanne Moskal.

Deborah Dawn Hutchinson Allen, *Nursing,* Exploring Cognitive Reserve and Compensatory Behaviors Used to Maintain Executive Control Function in Adults with Primary Brain Tumors. Professor Virginia J. Neelon.

Justin Allman, *Mathematics,* K-Classes of Quiver Cycles, Grothendieck Polynomials, and Iterated Residues. Professor Richard Rimanyi.

Kate R. Allman, *Education,* Reading the Middle East: A Critical Discourse Analysis of Classroom Literacy Events around Persepolis. Professor Julie E. Justice.

Monique Ahince Amamoo, *Epidemiology,* Impact of Automatic Reporting of Estimated Glomerular Filtration on Chronic Kidney Disease Detection and Patient Care in a Hospital Setting. Professor Gerardo Heiss.

Neil David Anderson, *Romance Languages and Literatures,* Microgeographies: Galician Narratives of Place (2004–2012). Professor Samuel Amago.

Sarah Andres, *Cell and Molecular Physiology,* Expression Patterns and Roles of the Insulin Receptor in the Intestinal Epithelium. Professor P. Kay Lund.

Mercedes Baillargeon, *Romance Languages and Literatures,* Aesthetics and Politics of Contemporary Women's "Autofiction." Professor Dominique D. Fisher.

Deepali Bang, *Cell and Developmental Biology,* Oncogenic KRAS, GSK-3, NF-kappaB and TBK1: The Interplay and Consequences in Promoting Pancreatic and Lung Cancer. Professor Albert S. Baldwin.

Sarah Ayako Barksdale, *History,* Prelude to a Revolution: African American World War II Veterans, Double Consciousness, and Civil Rights 1940–1955. Professor Richard H. Kohn.

Lisa Barnard, *Mass Communication,* The Cost of Creepiness: How Online Behavioral Advertising Affects Consumer Purchase Intention. Professor Maria Leonora Comello.

Rebecca Nancy Bauer, *Toxicology,* The Role of the Inflammasome in the Respiratory Innate Immune Response to Viruses and Pollutants: Insights for Asthma Pathogenesis. Professor Ilona Jaspers.

Janel Nikol Beckham, *Communication Studies,* The Value of a Pint: A Cultural Economy of American Beer. Professor Lawrence Grossberg.

Erik Arthur Bentsen, *Education,* Utilizing Collaborative Reading Groups and Coaching as Social Skills Interventions for Students with Emotional/Behavioral Disabilities. Professor Karen Erickson.

Russell Bither-Terry, *Political Science,* Zero Hunger: The Politics of Anti-Hunger Policy in Brazil. Professor Evelyne Huber.

Krysta Leigh Black, *Art History,* Sacred History and Christian Kingship in the Leon Bible of 960. Professor Dorothy H. Verkerk.

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DOCTOR OF PUBLIC HEALTH

Erica M. Haney, *Maternal and Child Health,* Examining Measure of Instability, Sexual Debut, and Depression Screening Among Adolescents in Zimbabwe. Professor Kavita Singh.

Jennifer A. Ludovic, *Health Policy and Management* , The Patient Protection and Affordable Care Act: The Evolving Role of State Sexually Transmitted Disease Programs. Professor Sandra B. Greene.

Katherine Fox Nagel, *Health Policy and Management,* Local Implementation of Federal Strategic Plans: The Role of the Health Care for the Homeless Program in Opening Doors. Professor Thomas C. Ricketts.

Deborah Paone, *Health Policy and Management,* Implementation of Evidence-Based Practice in Two States: Lessons from the Chronic Disease Self-Management Program. Professor George Pink.

Lilian Pedrosa Heffernan, *Health Policy and Management,* Absorptive Capacity for Global Fund Grants: Lessons for the International Community. Professor Bryan Weiner.

Patricia Marie Pozella, *Health Policy and Management,* Strategies for Increasing EGFR Mutation Testing of Patients with Non-Small Cell Lung Cancer. Professors Sue Havala Hobbs and Edward Brooks.

Lynne Scott Safrit, *Health Policy and Management,* The Intersection of Academia and Industry: Avoiding Pitfalls and Navigating Successful Partnerships. Professor John E. Paul.

Yunfei Wang, *Biostatistics,* Dose-Finding Designs for Phase I Clinical Trials in Oncology and Use of Selective Phenotyping to Increase Power of Genetics Association Studies. Professors Anastasia Ivanova and Ethan M. Lange.

Stephanie N. Watson-Grant, *Health Policy and Management,* Measuring Country Ownership and Its Relationship to Health Outcomes: The Case of Liberia. Professor Sandra B. Greene.

Mollie Melissa Williams, *Health Policy and Management,* Formative Research for the Development of Strategies to Increase Dual Method Use Among Adolescents and Young Adults. Professor Suzanne Havala Hobbs.

Amy Funk Wolkin, *Health Policy and Management,* Reducing Public Health Risk During Disasters: Identifying Social Vulnerabilities. Professor Sandra B. Greene.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Dekel Jonte' Hill, *Educational Leadership,* The Impact of PBIS on Black Students: Achievement and Behavior. Professor Kathleen Brown.

Christopher Todd Lofrese, *Educational Leadership,* A Case Analysis of a Suburban North Carolina Public School System's Elementary School Level Redistricting Outcomes. Professor Eric A. Houck.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

May 2014

The School of Dentistry

ESTABLISHED 1949
Dean Jane A. Weintraub

DOCTOR OF DENTAL SURGERY

Caroline Gustafson Albea
Lee Brandon Allen
Jed Arbon
Tameka Nicole Attaway
Briana Brooke Austin
Laura Ann Azzu
Kerry B. Baumann
Elizabeth Doyle Binz
Annie Kristin Brooks
Anthony P. Brown Jr.
Zerita C. Buchanan
Elizabeth Lauren Campbell
Anna Atkinson Caparaso
Karen Ziarnowski Carver
Elizabeth Consky
Michael James Costa
Benjamin Shute Cozart
Jeremiah Davis
Eric R. Draper
Jeffrey William Duffy
Shango S. Etienne
Ross Harrison Fahey
Lela Christine Farmer
Connie Xianyu Feng
Harold Nichols Frazier III
Americo Nicola Gambella
Robert Kyle Gazdeck
Samantha Gibson
Boksoon Brenda Gong
Christopher R. Gray
Howard Justin Harlow
Adam C. Harrell
Jason Robert Harris
Ashley Teresa Hill
Kathleen Hidy Hood
Jeffrey Tyler Jackson
Tawana Marsai Jenkins
Alex P. Jiamachello
James Jorge
Sunil Kashyap
Parisa Kasravi
Eric M. Kempter
Amanda Kilburn Kerns
Rivkah Zelda Kol
Kristen Renee LaBianca
Johanna Maria Lopez
Anna Lukic
Sasha Malinchoc
Ann Ma Mast
Thomas Garrett McDaniel
Brittany Weeks McGuirt
Andrew S. McNeal
Lindsay Deanna Moore
Davia Nechelle Nicholsen
Natalia Nunez
Michael C. O'Brien
Bhavna Talekar Pahel
Nathan Wright Patterson
Katie Rose Petrola
Laura Gravitte Phelps
Lindsey M. Pikos
Ashley M. Porter
Kendall A. Powers
Bryan Thomas Proctor
Dustin Jacob Prusik
Li Qian
Elizabeth Joy Rich
Sonam Vipul Shah
Elizabeth Heath Smith
Caroline Hazel Stubbs
Lauren Ashley Taylor
Molly Jordan Tesch
Kevin Ka-Wai Tsui
Yusif Umar
Carolina Vera-Resendiz
Bryan Curtis Whitecotton
Daniel Whitley
Edward Wooten Wood
William Tyler Wynne
John P. Zermeno

The School of Law

ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR

Laura E. Ackerman
Jonathan Ambrose
John Robert Ames
Chad Trevor Anderson
Kelly Elizabeth Anderson
Robert C. Armstrong
Laura Arredondo-Santisteban
Peter D. Austin
Agustina Bacce
Holly Sanders Bannerman
Neil Marion Barnes
Benjamin C. Barrow
Kafiyah I. Bello
Amanda L. Bernier
Amanda Kay Blackmon
Yallana Onesia Boston McGee
Natalia Maria Botella
Kindra Lynn Bradley
Erin Michelle Briley
Maria Joy Brown
Aaron C. Brownell
Catherine Ellen Bruce
Alexandria N. Bryant
Elizabeth Carroll Buckley
Carl J. Burchette
Robert K. Burrow
Jennifer Ashley Cachon
Brendan Alexander Cappiello
Galo Virgilio Centenera Jr.
Anderson A. Chang
Sarah Jaudon Chang
Roby Chatterji
Wills H. Citty
Catherine Gray Clodfelter
Anna Jordan Cobb
Diane Patricia Collopy
Sarah Hill Colwell
Teresa Lynne Cook
Sarah Anne Core
Kelly Anne Crecco
Caroline E. Cress
Jordan David Curet
Kenneth Brian Dantinne
Debolina Das
Charles Eugene Davis III
Valyce Madonna Davis
Roy Arnold Dawson
James T. Deal
Douglas John DeBaugh
Lauren A. Demanovich
Kevin Louis Denny
Tasneem A. Dharamsi
Chreasea L. Dickerson
William Bonner Dickey
John James Dougherty
James Clayton Douglas
Ethan D. Dunn
John Michael Durnovich
Kenley A. Eaglestone
Esther T. Earbin
Ryan M. Eletto
Belal Elrahal
Robert C. Ennis
Ryan C. Fairchild
Zachary Stuart Ferguson
Brian J. Fineman
Rebecca A. Fiss
Adam A. Fleckenstein
Rebecca O. Fortune
Sidney L. Fowler
Breanna Shaleise Freeman
Ana Jemec Friedman
Michael Robert Frongello
Lindsey Suzanne Frye
Lev D. Gabrilovich
Jacob M. Gerber
Andrew Becton Gibbs
Quinn West Godwin
Carla M. Gray
Steven T. Grueshaber
Eva Glenn Gullick
Jessica M. Hale
Andrew Dunaway Hargrove
Lauren Averill Harkey
Frank L. Harrell
Colleen M. Hart
Elaine Marie Hartman
Timothy Arthur Henderson
Matthew Patrick Herr
Samuel J. Hightower III
Francis R. Hodgson III
Danika Jane Hoke
Scott Ryan Holder
Devlin Kyle Horton
Amanda Geary Huegerich
Donald G. Huggins
Kenneth W. Jennings
Gabriel Hernan Jimenez-Medina
Collier L. Johnson II

Harry C. Johnson
James Robert Jolley
Zachary R. Joyner
Mary Scott Kennedy
Brian Y. Kim
Erin Suzanne King
Steven Austin King
Alyssa E. Kisby
Benjamin K. Kleinman
Jared A. Knight
Trenton Tyler Kool
Laura Nawrocki Krcmaric
Tanner L. Kroeger
Georgia Blair Stephenson Kuplic
Joshua A. Lance
Patrick Donovan Lawler
Seth T. Lawrence
Gina Cecilia LeBlanc
Phoebe H. Lee
Adam R. Lewis
Andrew J. Ligotti
Logan Winder Liles
Howard M. Lintz
John Born Lyman
Anuradha Madan
Munashe Magarira
James K. Mahoney
Chad J. Malmberg
Justin M. Mann
Ashley M. Markham
Eric Richard Martinson
Molly Fraser Martinson
Leah Mason
Dylan C. Mataway-Novak
Ashley Morgan McAlarney
Catherine Ann McCormick
Amanda Claire McCrea
Deborah Ann McDermott
Ramona Heather McGee
Stephanie A. Mellini
John Lain Miller
Sarah C. Mills
Catherine Elizabeth Mitchell
Jocelyn R. Mitnaul
Stephen Abbott Moore
Siobhan M. Mukerji
Daniel Nicholas Mullins
Satie Rachael Munn
Brett M. Neve
Rachel Pullen Nicholas
Seiko Okada
Maura K. O'Keefe
Ukachukwu Frederick Onuoha
Marta Antonina Orpiszewska
Susan Park
Minisha Bhupendra Patel
Vanessa E. Peña
Matthew A. Pierce
Jennifer Kanzelberger Polera
Joseph Thomas Polonsky
Kaitlin Dawn Powers
Lauren E. Powers
Trevor Pettit Presler
Asia J. Prince
Jessica Ra
Christopher Cowden W. Rayburn
Kristofer G. Readling
Justin M. Reimer
Katie M. Reynolds
Giles C. Rhodenhiser
Cara Denise Richards
Porsha Martina Robinson
Lacey R. Rocha
Edward F. Roche
Aldo Carlos Rodriguez
Emily Robinson Rojas
Erica G. Romain
Kathryn Elizabeth Ruark
David G. Russell
Kelly Saliba Ryan
Holly Elizabeth Safi
Safa Sajadi
Rebekah Tobison Scherr
Jodi Kramer Schur
Michael Blair Shapiro
Phillip Shelton
Troy D. Shelton
Amanda Loreen Sherin
Ernest Lorenzo Simons
Lindsay V. Smith
Demitra M. Sourlis
William Dennie Spry III
Charlotte Rebecca Stewart
Laraque R. Stewart
Joseph Edward Strader
Richard Strakosch
Melanie Ann Stratton
Katherine E. Street
Alexandra Elizabeth Suarez
Samantha Blair Surles
Allison Pell Tanner
Katherine Lowell Taylor
Michael Grady Taylor
Jessica Lee Thompson
Kofi A. Thompson
Samantha Lee Thompson
Thomas Jay Thurman
Anna Hartzog Tison
Anne Marie Tosco
Daniel K. Tracey
Alexandra M. Tronolone
Elizabeth L. Troutman
John Dempsey Turrentine
Charles Edward Walsh Jr.
Hedao Wang
Bridget Villacorta Warren
Justice Donald Warren
Casey Evans Wentz
Blakely Elizabeth Whilden
Sandra Kay Wilburn
Thomas Parker Will
Brian Joseph Willett
William McLauchlin Wiseman
Morgan A. Wittman
Amanda Rittenhouse Witzke
Jordan Nicole Wolfe
Jessica Elaine Harden Womack
Virginia M. Wooten
Chrisy Han Yun
Agnieszka Teresa Zmuda

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE

Elena Marie Adamo
Nesochi Nonyelum Adimorah
Emily Cohn Ambrose
Lauriane Auvergne
Kiri Wiggins Bagley
Nancy Clarke Ballantyne
Taylor Carlyle Bazemore
Peter Alexander Beale
Kristyn Swan Beam
Elena Terese Beidler
Graham Barden Berry
Jason Josef Bischof
Sarah K. Blanchard
Elizabeth Runge Blyth
Romin Bonakdar
Randall Bryant Bowen
Kateland Elizabeth Branch
Lindsey Kathryn Buckingham
Gary Francis Burke
Timica Donyeal Campbell
Laura Armfield Cannon
Jamie Lynn Carter
Claudia I. Castillo
Isaac Saibun Chan
Hann-Hsiang Chao
Jie Chen
Russell James Coletti
Clayton W. Commander
Michael Philip Cowherd
Virginia Lee Crowder
April Eleyna Deveaux
Patricia Lane Dias
Jakub Marcin Dmochowski
Michael William Dorry
Sunaina Dowray
Lei Du
Margaret E. Duncan
Mohamed Taleb El-Kara
Cameron Ellis
Kristen Elizabeth Eron
Kelly Rose Esposito
Casey Victoria Farin
Esteban Jorge Figueroa
Mathieu Forgues
Caroline Elizabeth Gass
Jason R. Goldsmith
Eric S. Golike
Indira Maryann Gowda
Georgia Marguerite Griffin
Joseph Robert Grubbs Jr.
Luke Ehret Habegger
Hira Hasnain
Kelly Blanchard Hayes
Megan Dale Henley
Emily Lynn Hughes
Senyene Eyo Hunter
Robert Preston Hutchins
Cameron Greer Isaacs
Sarah Caroline Isbey
Lauren Posey Jacobs
Arthur Robert Johnson
Renee Cynthia Johnson
Jade E. Jones
Katherine Ann Jordan
Amarpreet Kaur
Claire E. Kendig
Eric Stephen Kiechle
Sarah Nayoung Kim
Hollis Camille Konitzer
Christopher M. Lam
Mary Elizabeth Ward Lambert
Brian Louis Lanier
Christina Yee-Wah Lee
Tian Wei Li
Kaleigh Rochelle Lindeman
Ryan Everett Little
Katy Ching-Fang Liu
Cameron Trevor Locklear
Ayesha N. Lovick
Justin Thomas Low
Rebekah Caroline Macfie
Elizabeth Wolf MacLean
Daniel Mack Magliozzi
Sophia Naz Malik
William Aaron Manning
Yuxuan Mao
Grace Elizabeth Martin
Jonathan Puthenveetil Mathew
Deanna L. McGarity
William Copley McLean
Daniel Taylor McMillan
Oren J. Mechanic

John Wilcox Meyer
Ronald Walden Milam Jr.
Justin Daniel Miller
Brian E. Moore
Joel Leon Moore Jr.
Samantha Heuertz Moore
Adam Jason Moskowitz
Virginia A. Moye
Sara Poorfarahani Myers
Jonathan Gregory Napier
Abdulrahman O. Nasiru
Amy Jane Nayo
Tara Marie Nolting
Moneika Sheree Owens
Sarah Elizabeth Paraghamian
Sonya Vipul Patel
Kevin Alexander Pearlstein
Irina Perjar
Pradeep John Poonnen
Akinyi M. Ragwar
Alexander Nathan Raines
Christopher Michael Reed
Ann Marie Toebes Richards
Michelle Jaeun Ro
Brandon M. Roane
N'Djamina Angelika Robinson
Albert J. Rogers
Christopher Edward San Miguel
Kristen Marie Seiler
Jewel E. Sheehan
Atif Tahir Sheikh
Daku Siewe
Brian F. Simpson
Christopher Paine Malcolm Smelick
Benjamin Allen Smith
Ellen Amanda Snyder
Christopher Robert Stamey
Ryan Alexander Stephens
Robert Alan Swendiman
Eli Craven Tate
Jennifer Thuy Thai
Claire Jean Thomson
Michael William Thorp
Eli Joseph Kraus Tiller
Kari Gabriela Ann Tomlinson
Stephen Legrande Vance
Michelle Jacqueline Vernali
Alfred A. Viyuoh
Carolyn M. Wakeman
Jacob Wang
Nancy Nan Wang
Daniel Joseph Watford
Aaron David Webel
Andrew Wilson White
William Michael Whited
Daniel Bennett Whitesides
Nathan Ross Whitmore
Thomas Clayton Williamson
Emily Cathryn Wellman Willner
Matthew Robert Wofford
Genevieve Alison Wolpert
Lauren Willis Wood
Hannah Yin
Danicela Younce
John Robert Younce
Evan Morris Zeitler
Evon S Louis Zoog
Jessica Gabrielle Zvara

The Eshelman School of Pharmacy

ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY

Michelle Catherine Adams
Benjamin W. Ahlers
Dabney Simone Allen
Katherine A. Allen
Mary Anna-Youngblood Armstrong
Justin Robert Arnall
Monique N. Auguste
Amy Y. Baek
Kristi L. Bailes
Corey M. Ball
Oyshik Banerjee
Jody Barefoot Church
Vishal S. Barnela
Jamie Erin Basham
Samantha Helen Bochenek
Carly Rebecca Boyette
Kirstin Nicole Bradley
Katelyn Elizabeth Byers
April Lynn Calderon
Ashley M. Campbell
Brittany N. Carver
Bryan Carl Casciere
Tammy Chen
Jon W. Collins
Randy William Cooper
Sarah Jane Cox
Stephanie Nicole Craycroft
Erin Damery++
Whitney Lee Davis
Logan Blair Dawson
Brian Nutt Decker
Brittany H. Denning
Thien-Suong Thi Duong
Alisa A. Eibling
Lisa Marie Feagin
Jesse Mitchell Fletcher
Lukmon Folarin
Patrick W. Ford
Daniel Jesus Fuentes
Olga K. Galeyeva
Rebecca Michelle Garcia
Leslie Morton Garris
Brianna E. Glynn
Richard Blake Goslen
Anna Weaver Graham
Nicholas Anthony Greco
Jessica Michelle Greene
Meagan Beth Griffin
Shawn Patrick Griffin
Jenelle M. Hall
Lauren A. Hamm
Sara Youssef Mohamed Hammad
Graham Harding
Lucas G. Helms
Lauren Marie Holesh
Eric W. Hopkins
Megan Elizabeth Hughes
Amy E. Isaacs
Jeffrey Lloyd Johnson
Charissa Wei-Ann Kam
Lauren Elizabeth Kane
Stacey A. Karl
Christopher P. Keller
Ebony Kyerra Kennedy
Jaini Kim
Jay Hyuk Kim
Ji Won Kim
Todd Cory Knepper++
Anne M. Kome
Jennifer Lynn Kuijer
Kristen J. LaDuke
Kathryn Margaret Latham
Nicholas Martin Lecroy++
Ming Li
Laura H. Long
Shannon Bailey Lowe
Brittany Michele Loy
Andrew Thomas Lucas+
Kelly Jane Lunsford
Dhara Kantilal Maradia
Kevin T. Mayer
Amanda Tambe Mboumien
Caroline Marie Meehan
Laura Ann Meleis
Anne Marie Dvorak Misher++
Eric B. Mobley
Joseph D. Moore
Shane Stephen Moore+
Kayla Huneycutt Morgan
Daniel Lec Morse
Kelly A. Mullican
Amanda Marie Naujelis
Dan-Huy Pham Nguyen
Kimberly Paige Niver
Jessica Nomina
Hanna Park++
Arti Jayesh Patel
Pritesh K. Patel
Radha Patel
Emily Dare Peedin
Sarah B. Peters+
Julian Frank Pinheiro
Allison Ann Presnell
Miriam Jensen Pulsipher
Jamaal Matthew-Frederi Purnsley
Laura R. Risley
Breanne Marie Roess
Danielle Josette Schlafer++
Brant M. Segura
Hope Christine Serafin
Jonathan Michael Shaw
Taryn Diana Shelley
Somvattana D. Siharath
Michel Lloyd Simon
Shayna A. Smith
Stephanie M. Somers
Cody D. Steeves
Tyler Edmondson Swann
Brad J. Taylor
Kaitlyn Rae Taylor
Terah Ann Taylor
Jennifer Slocum Teague
Kyle Thorner
Davis T. Tingle
Joshua Caleb Toliver
Katie Lynn Traylor
Robin Elizabeth Trew
Michael L. Turpin
Duy-Bich Thi Vo
Erika Katrina Von Vajna
Nicholas Bradford Watts
Jim X. Wei
Dallas Clinton Williams
Charles R. Wingerson
Drew Austin Wofford
Michael D. Wolcott
Deanna Dai-Ling Wung+
Anna Gretchen Wyatt
Hui Yang
Michele Yang
Debbie C. Yen
Henry Yu
Jacqueline Michelle Zeeman

\+ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Honors*

++ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors*

CANDIDATES *for* GRADUATE *and* PROFESSIONAL GRADUATE DEGREES

May 2014

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Maia Christina Dedrick
Rudolf Kemper
Seana Lynn Monley
Jami Celeste Powell
Anthony James San Luis

Art History
Catherine Carlisle
Ashley Lynn Clay
Qi Lu
Leah Daryl Thomas

Biology
Wes Alan Sanders

Classics
William Edmund Lindsay Begley
Bailey Kristen Benson
Sarah Lynne Hilker
Michael Keith Penich

Communication Studies
Alexis Aubree Bryson
Ali Reza Eshraghi
Daniella Arteaga Onofrio
Usman Shaukat

Exercise and Sport Science
Alexis Ann Altier
Allison Jill Bass
Sarah Elizabeth Bell
Peter Lawrence Chalfin
John James Dougherty
Carly Louise Dressler
Taryn E. Gilrein
Lauren Elizabeth Hawkinson
Pamela Brook Hughes
Sean Alexander Jones
Timothy Robert Kelly
Isaac Zebadiah Lee
Grant M. Leiendecker
Catherine Shawn Lenhardt
Malia Nikole Melvin
Robert Coleman Mills
Catherine Elizabeth Mitchell
Brenton Neuharth
Colin O'Leary
Joseph Gideon Rosenberg
Byron L. Sanders
Korie Clare Sawyer
Michael James Scharville
Megan Shipp
Robert House Stewart
Doron Tamari
Breen Farley Tyler
Elizabeth Anne Walz
Hailee Lorrain Wingfield
Pamela Rachelle Young

Folklore
Laura Collier Fieselman
Kelsey Sherrod Michael
Amanda Lynn Stubley

Geography
Matthew Bozigar
Scott Allan Sellwood
Haruna Suzuki
Qi Zhang

German Studies
Holly Sarah Eades

History
Kirsten Leigh Cooper
Brian Kenneth Fennessy
Vadim John Haanstad
Elizabeth Hasseler
Lorn Edward Hillaker
Erika Marie Huckestein
Shannon Renee James
Rory Michael McGovern
Larissa Ruth Stiglich
Garrett W. Wright

Linguistics
Megan Kathryn Gotowski
Alvaro Hugo Salgado
Jessica Slavic
Kayla Anne Vix
Chunmeng Wang
Zachary A. Wilkins
Ye Zhao

Mass Communication
Jacqueline Yvonne Borrett
Ryan Neal Comfort
Sarah Elizabeth Davidson-Palmer
Margaret A. Eason
Emily Anna Graban
Caitlin V. Kleiboer
Courtni Marie Kopietz
Laura Lacy
Daniel Everett Lane
Jaya Mathur
Xiaokun Qian
Emery Bethea Rogers
Mikalai Shchatsko
Natalie Taylor
Lynn Marshele Waddell
Elizabeth Lea Walters
Ivan Jay Weiss

Philosophy
Joshua Douglas Blanchard
Christopher John Dorst
Robert Kyle Driggers
Molly Josephson
Sylvia S. Kocieda
Michael Thomas Licciardi
Larisa Rachel Svirsky

Political Science
Katelyn Leigh Ferral
Lee Anthony Foster
Zesely Bryan Haislip
Karl Johan Sven Hassel
Allison Johnson
Charlotte Katharina Koyro
Heidi Irene Obermeyer
Bridget Parker
William Rogers Perlmutter
Stephanie Page Pleasants
Megan Marie Poole
Justin Bingham Pullen
Benjamin Thomas Thorne
Neil Isaac Weinberg
Justin Chandler Wilcox
Lauren Rebecca Yeargin

Psychology
Jenna Leigh Clark
Veronica Cole
Benjamin Reid Cox
Chris M. Foster
Kati Lynn Healey
Laura Elizabeth Kurtz
Stephanie Tara Lane
Theresa Helen McKim
Allison Tracy Meyer
Jacqueline Leigh Nesi
Hally O'Connor Quinn
William Andrew Rothenberg
Christopher Shea Sheppard
Rebecca Louise Stephens
Jonathan Andrew Susser
Nicholas James Wagner

Public Policy
Alexandra Elizabeth Graddy-Reed
Daniel Pieter Smith

Romance Languages and Literatures
Martina Adani
Massimiliano Luca Delfino
Adrienne D. Erazo
Kaitlin Anne Good
Caitlin Elizabeth LeClair
Noah Turner Myers

Russian and East European Studies
Luke John Gensler
Anna Kirey
Melissa Ann McDonald
Zachary Scott Tewell
Justin Williams

Slavic Languages and Literatures
Lara Sophia Szypszak

Sociology
Holly Kathryn Eppsteiner
Brian Louis Levy
Adam Long
Rukh-E-Batool Zaidi

Technology and Communication
Lauren Elizabeth Flowers
Kathryn Warthen Kennedy
Teresa Marguerite Kriegsman
Rebekah Carolyn Radisch
Franklin Delano Taylor Jr.
Katie Marie Trapp
Priscilla Yu-Ching Tsai

MASTER OF CITY AND REGIONAL PLANNING
Daniel Chapman Band
Lanisha Renee Blount
Emma Catherine Boundy
Eric Breit
Ana-Alicia Shantell Brown
Allen Anthony Burton
Michael Clark
Peter Kayes Cvelich
Roderick Anthony Dowling Jr.
Caroline Dwyer
Roger Ekstrom
Brian Ford
Carolyn Barnett Fryberger
Reem Salim Ghunaim
Fredy Rafael Grefa
Daniel John Hedglin
Wilson Carmichael Heflin
Adrienne Elizabeth Heller
Haoting Hu
Fayola Helen Jacobs
Jordan Addison Jones
Melissa Langley Kim
Sukyoung Kim
William T. King
Ann Bracken McGrane
Jill Michelle Mead
Kyle Steven Onda
Marie De Jesus Patane
John Marco Snow Perry
Bryan Wilson Poole
Holly Elizabeth Safi
Emma Kathleen Schropp
Nathan Jakob Thirsk
Yichun Tu
Yang Wu
Le Zhang
Marcus Henry Ziemke

MASTER OF FINE ARTS
Benjamin Alper
Michael Jeffrey Bramwell
Tania Marya Chelnov-Snitow
Nathaniel Perdigon Claridad
Dawn Alex Connerley
Marian Isabel Fermin Cuenca
Michael Bryson Epting
Brandon John Garegnani
Nilan Stuart Johnson
Minjin Kang
Candyce Ann McClernan
Patrick O'Leary McHugh
Laura Savannah Pates
Leah Elizabeth Pelz
Jennifer Sian Platt
Kelly Renko
Chad Nicholas Rodgers
Nicholas Shannon Ryan
Maren Stavig Searle
Megan Kathleen Stein
Lile Stephens
Roland Antoine Williams
Connie Frances Zamorano

MASTER OF SCIENCE

Biochemistry and Biophysics
Arpit Tandon

Biology
Karl Christian Fetter
Ryan Marshall Shelton

Biomedical Engineering
Lili Xu

Biostatistics
Amanda Marie Beller
Habtamu Kassa Benecha
Christopher Evans Glessner
Jessica Lavery
Sarah Julia Marks
Cara Elizabeth Ostrom
Samuel Shuoyuan Pan
Christel N. Rushing
Paul R. Slubicki
Amelia Susannah Wallace
Lia Weiner
Ji Zhang
Qingyao Zheng
Xuan Zhou

Chemistry
Lukas Erik Chaloupka
Erasmus Otto Volz

Computer Science
Benjamin Nicholas Casses
Kun-Tao Chiang
Zachary Taylor Cross
Diptorup Deb
Clinton William Freeman
Rajesh Gopidi
Shubham Gupta
Keethan Robert Kleiner
Keith Lockhart Lee
Jinjing Ma
Alok Meshram
Asad Ullah Naweed
Derek Christopher O'Neill
David Paul Perra
Andrew Clayton Reed
Ameem Shaik
Priyadarshi Sharma
Wen Sun
Meng Tan
Shawn Michael Waldon
Zhe Wang

Dental Hygiene Education
Kristin Dawn Dillow
Jessica Laurin Holloman
Brittany Cannon Minichbauer
Whitney Zanella Simonian

Economics
Robert K. Ackerman
Jason Samuel Brent
Byong Kwun Choi
Keith McKenzie Johnson
Ziqian Ju
Priyesh C. Krishnan
Benjamin David Labe
Teresa Ann Perez
Michael Edward Smalenberger
Tan Minh Tran
Uyen Tran
Atet Rizki Wijoseno
David Robert Wright

Endodontics
Hsin Chen
Johnah Cortez Galicia
Bashir Hosseini

Environmental Sciences and Engineering
Lauren Koban
Caroline Anne Kostyla
Elizabeth Bryan Pierce
Sarah Elyse Royster

Geological Sciences
John Phillip DeDecker
Kathleen Marie Wooton
Bissett Emily Young

Marine Sciences
John Paul Piso Balmonte

Mathematics
Joan Alexandra Pharr

Materials Science
Jake Paul Strange

Nutrition
Guo Hu
Xiaomeng You

Occupational Therapy
Shanon Joy Schuster

Operative Dentistry
Sumitha Nazar Ahmed
Alejandro Jose Delgado

Oral and Maxillofacial Pathology
Danny Mora-Gonzalez

Oral and Maxillofacial Radiology
Deeba N. Kashtwari
Billy James Phillips
Ali Syed

Orthodontics
Ross David Hunter
Michael Thomas Kelly
James Patrick Martin
Dana Thi Tang
Richard Frank Uhlir
Peter Weber

Pediatric Dentistry
Felicia Victoria Swinney

Periodontology
Katherine Ann Guilfoyle
Alison Marjorie McGuire
Shaoping Zhang

Pharmaceutical Sciences
Joshua David Brattlie
Christian Sablan Conley
Mitchell Allen Dorn
Kevin J. Helmlinger
Rachel Anne Henderson
Jessica Marie Lemoine
Kayley Lyons
Sarah Johannes Moore
Shailly K. Shah

Physics
Matthew David Goodson

Prosthodontics
Julie Ann Elpers
Austin Leong
Lida Cecilia Swann

Rehabilitation Counseling and Psychology
Katherine Lee Aiello
Ruth Michelle Bernstein
Robert Hudgins Brock
Kristina Evangeline Gauldfeldt
John Taylor Houchens
Salma Tanveer Iqbal
Sarah Martini
Hadley Anne Mates
Zachary Clifford Merz
Negatte Gabrielle Negussie-Retta
Tommi Alyse Pait
Megan LeAnn Parsons
Brianne Elisabeth Shelly
Lauren Paige Spencer
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MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

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Julie Marie Anderson
Ashley Renea Arthur
Tonya Dianne Baldwin
Jessa Batson
Theresa Bayless
Sara Caitlin Bearden
Teresa Michele Beck
Rosie A. Benzonelli
Erin Marie Bergstrom
Jamie Belinsky Blasko
Allison Paige Blue
Lauren Taylor Brookshire
Alison Lee Brown
Olivia Anne Brown
Matthew Kirk Broyles
Kristin Arletta Bure
Joseph Bryant Campbell
Dolores Chandler
Peter Joseph Cianci
Hilary Stewart Cissokho
Elizabeth English Cobb
Sara Catherine Cobb
Kanisha L. Coleman
Courtney Tate Collins
Tara Lowdermilk Conrad
Erin Brittany Conroy
Aimee Davis
Sonya Sergeyevna Deulina
Monica Rose Ferenz
Carrie Elisabeth Fields
Alexandra L. Fox
Dean Allen Fox II
Claudia Adriana Freiberger
Joanna Glee Fullmer
Marie Catherine Funk
Jennifer Mae Gadd
Julia Grace George
Chelsea Elizabeth Godbout
Kelly Lence Godinho
Gary Sondermann Grubb
Stephanie Emma Haik
Daniel Freeman Ham
Elyse Breland Hamilton
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Jillian Elaine Harris
Lena Jewel Harris
Lindsay Alyce Hays
Eiman Randy Henson
Terra Demetria Hodge
Marbeth Hunt Holmes
Michael Patrick Holsten
Natasha Gorr Holt
Timothy Benjamin Hucks
Deborah Lynn Hughes
Brittany Hunt
Ronald Duringo Hunt
Laura Doris Jasmine
Karon Falaq Johnson
Elilzabeth Ann Jones
Kathryn Victoria Kevin
Oprah Cherelle Keyes
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Lindsay Anne Lassiter
Avery Phillips Lee
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Brittany Little
Anthony Joseph Maglione
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Rex Kendal Mercer
Jeremy Matthew Moore
Cory Hunt Morgan
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Elizabeth Corinne Queen
Yalitza Akua Ramos
Ariel Catherine Reynolds
Brendan Timothy Rice
Michelle Yolanda Ropero-Cartier
Lindsay Elizabeth Royek
Ellen Ruebush
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May 2014

The College of Arts and Sciences

ESTABLISHED 1795

Dean Karen M. Gil

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JaMeiya Mona'e Estes
Alayah Lateefah Glenn
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++ *Indicates Highest Honors recipients.*

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Addys Bode
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Alexander E. Karsten*++
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Diana Maria Castaño
Candace Dane Chambers
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Edward Bryant Clements Jr.*
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Desere' Simone Cross*
Erin Elizabeth Cullum
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Jonathan Modesto Diaz
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Jackson Scott Donnell
William C. Dumas
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Caroline Few
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Edgar Broughton Harrell
Charles Andrew Harris
Erin Melissa Hennings
Christina Marie Hill
Danielle Nicole Hooks
Elise Suzanne Hopkins*
Hunter Chanel Horton
Melissa Kay House
Hayley Nicole Hoyle
Connor Denison Hunt
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Sloane Leigh Serpe
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Wesley Shang
Elizabeth Mara Sherling*

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Panlan Shi
Kylie Elizabeth Shryock*
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Comparative Literature
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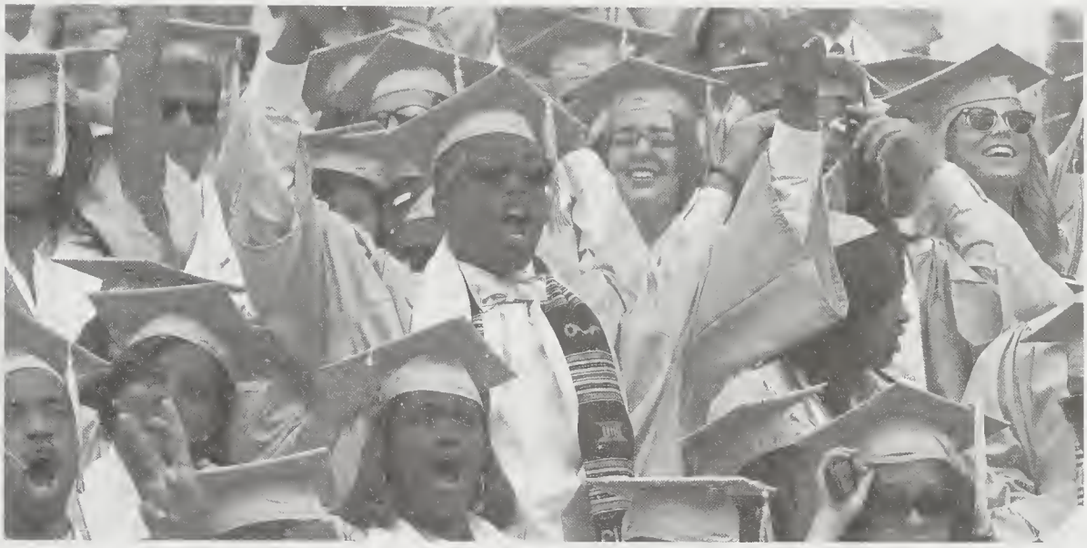

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Dramatic Art
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Jalena Gabrielle Threatt
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MAY 2014

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Andrew Clark Ireland
Esther Lee Kangas
Julian DePriest Moten
Leslie Paige Nelson
Joseph Robert Passalugo

CANDIDATES *for* CERTIFICATES

May 2014

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

CERTIFICATE IN DENTAL HYGIENE
Angie Carol Lowder
Casey Dale Proctor

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

CERTIFICATE IN RADIOGRAPHY
Lisa Ann Purvis

Postbaccalaureate Certificates

The School of Journalism and Mass Communication
ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Monica Tinio Bascon
Ashley L. Miranda

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

CERTIFICATE IN AUDITORY LEARNING IN YOUNG CHILDREN
Sultana Mohammed Basfer
Carolyn Ann Cloutier
Bobbi Ann Colatruglio
Christa Cook
Nancy Dixon Koch
Erika Yvonne Lopez
Krystyne Teresa Meyer
Michelle W. Myers
Tara Ann Nikou
Megan Elizabeth Rutherford
Monica Ann Wehrer

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
James Paul Ellis
Mary Frith
Robert Wesley McLaughlin Jr.
Jacquelyn Kate Meier
Christopher Randall Sutton

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Kimberly Clark
Eleanor Elizabeth Howell
Tiffanie Chanae Jones
Margaret Wacu Ndirangu Jr.
Brenda T. Palmore
Kathryn Lee Wessell
Nicholas Andrew Wilkinson

CERTIFICATE IN OCCUPATIONAL HEALTH NURSING SPECIALTY
Linda Johnson
Amy Pauline Weaver

CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Deborah Massalon Cawthon
Monica Johnson Curry
Stephen Albert Eaton
William James Flattery III
Amanda Sue Kilgore
Amy Marie Kleist
Hans Peter Roethling
Reta Moore Shiver

MEDALS, PRIZES *and* AWARDS

May 2014 | *Awards noted are for the 2013–2014 year*

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
Chelsey Elizabeth Dulaney

The Eben Alexander Prize in Greek
Alexander Edward Karsten

The Peter C. Baxter Memorial Prize in American Studies
Sarah Hillsman Barger
Alex Marc Gottschalk

The Bernard Boyd Memorial Prize
Nathan Spencer Tilley

The Camões Prize in Portuguese
Helen Irene Rolf

The James O. Cansler Service Award
Hadriane Preston

The Cornelius O. Cathey Award
Dillon Oliver Robinson

The Chi Omega Award for Scholarship and Leadership
Chelsey Elizabeth Dulaney

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Rachel Avi Silberman Holtzman

The Albert and Gladys Hall Coates Award
Zachary Ferguson

The George H. Cocolas Pharmacy Student Body Award
Joseph DeMaio Moore

The Josephus Daniels Scholarship Medal
Leslie Paige Nelson

The Roger A. Davis Memorial Award
Taylor Ray Bates

The Paul Debreczeny Prize in Slavic Languages and Literatures
Peter Cameron Alfredson

The Patrick F. Earey Award
Michelle Mariko Ikoma

The Marc Adam Eisdorfer Award in Linguistics
Natalie Claire Feingold

The Edward Kidder Graham Award
Hillary G Landau

The Frank Porter Graham Award
Kevin Claybren

The Jane Craige Gray Memorial Award
Brooke Ashley Hill

The Greek Alliance Council Award
Vivian Tran Le

The Boka W. Hadzija Award
Alexandra Jazz Diekinson
Xin Liu

The I. R. Hagadorn Award
Julia Danielle Elizabeth Whitley

The Jacques Hardré Undergraduate Award for Excellence in French
Austin Rory Cooper

The Edward McGowan Hedgpeth Award
Aidan Joy Berry
Nicole Marie Lawing

The Archibald Henderson Mathematics Medal
Marshall Ward Lochbaum

The George Moses Horton Award for Multicultural Leadership
Sharessa Cherwayne Royster

The Robert B. House Distinguished Service Award
Ethan Collin Cicero

The Robert B. House Memorial Prize in Poetry
Alexander Edward Karsten

The Interfraternity Council Man of the Year Award
Peter Harris Blumberg

The E. Eugene Jackson Award
Christopher David McCartney Lambden

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
Stephanie Marie Tolar

The James M. Johnston Distinguished Senior Award in the Nursing Program
RuthAnne McLendon

The Alexander Julian Prize
Rachel Elizabeth Johnson

The Brenda W. Kirby Award
Aubree Broadwater

The Mary Turner Lane Award in Women's and Gender Studies
Hieu Cong Nguyen

The Irene F. Lee Award
Courtney Belle Sanford

The Robert White Linker Award
Christopher Joseph Cunningham

The George Livas Award
Erin Claire Richardson

The Ernest L. Mackie Award
Kyle Ashley Leggett

The Willie P. Mangum Medal in Oratory
Linet Thomas Menachery

The George C. Marshall Award
Samuel George Pulliam

The McNally Award for Excellence in Geography
Ashley Nicole Ownbey

The National Pan-Hellenic Council Award
Lisa Afua Owusu-Antwiwaah

The Howard W. Odum Undergraduate Sociology Award
Amanda Frances Baldiga

The Panhellenic Council Woman of the Year Award
Rachel Lynne Brown

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Brendan Angelo Nally

The Wallace Ray Peppers Award in Performance of African and African-American Literature
Lauren Amber Bullock

The L. Richardson Preyer Award for Excellence in Political Science
Anna Elizabeth Sturkey

The Kenneth C. Royall Award
Dylan James Hunter

The Louis D. Rubin Jr. Prize in Creative Writing
Holli Elise McClean

The J. Maryon Saunders Award
Kathleen Frances Goolsby

The Sessoms-Meyer Excellence in Recreation Administration Award
Taylor Stokes Hardee

The Paul E. Shearin Outstanding Senior Award in Physics
Ari Benjamin Zitin

The Hampton Shuping Prize
Michelle Mariko Ikoma

The Earl Slocum Band Award
Rebecca Elisabeth Clemens

The Keith Shawn Smith Award for Community Development and Mentorship
Jasmine Ke-yan Sun

The Walter S. Spearman Award
Joshua Michael King

The Sport Clubs Council Achievement Award
Taylor Channing Mays

The Ria Stambaugh Undergraduate Award for Excellence in German
Kylie Elizabeth Shryock

The Sterling A. Stoudemire Award for Excellence in Spanish
Ashley Paige Rivenbark

The Algernon Sydney Sullivan Award
Joel Joseph Hage
Katie Charlene Savage

The Albert Suskin Prize in Latin
Kristina Wendi Cheung

The Jim Tatum Memorial Award
Michelle Mariko Ikoma

The Ferebee Taylor Award
Anna Elizabeth Sturkey

The Undergraduate Prize in Art History
Gwendolyn Marcella Gaylord

The Undergraduate Prize in Economics
Chenxi Yu

The Venable Medal
Margaret J. Radack
Bruce G. Wei

The Op White Prize in Geology
Jason Andrew Hallman

The Worth Award
Thomas Alexander Pendlebury

STUDENT ORGANIZATION AWARDS

Fraternity and Sorority Life

Outstanding Chapter President
Cy Schroeder

Outstanding Greek Leader
Mike Jones

Unsung Greek Leader
Charmee Mehta

Outstanding Seniors
Kelvin Anthony
Rachel Brown
Celina Holson
William Lindsey
Lisa Owusu-Antwiwaah
Shivani Patel
Lee Ramsey
Sarah Elizabeth (SE) Spencer

Carolina Center for Public Service

Buckley Public Service Scholars
Obafunbi O. Abimbola
Mykal Adams
Risikat Ademola
Kehinde Trevor Adeoti
Hannah E. Afify
Amelia Catherine Ahern
Kelsey Aho
Laida Alarcon
Zachary Robert Alexander
Natalie Allcott
Pooja Aphale
Kiara Aranda
Gaitry Devi Aruwani
Ann Corinna Atienza
Elizabeth Ayers
Swathi Ayyagari
Patricia De Jesus Bajuelo
Amanda Frances Baldiga
Michelle Bandklayder
Minhaj Baqai
Lindsey Bargelt
Sarah Barger
Raymond Mario Barry
Samantha Anne Bauer
Gabriel J. Baylor
Ashley Elizabeth Beale
Aidan Joy Berry
Madiha Bhatti
Mary Morgan Bitler
Leslie Ann Blake
Katelyn Paige Blanchard
Benjamin Marcel Blue
Viviana Teresa Bonilla Lopez
Natalie Borrego
Kelly Kaur Boyd
Michelle Brant
Sarah K Broadwell
Kaitlyn Elizabeth Brobst
Schara Brooks
Kathleen E. Burch
Hannah Marie Burris
Emily Bushman
Carsyn Leighann Butler
Rabiah Choudhary
Shalini Laxmikant Chudasama
Kevin Butts-Claybren
Caroline Elizabeth Conner
Kathryn E Cook
Meredith Scott Corn
Lisa Couper
Jennifer Lee Craven
Jesse Ian Crayle
Christopher J. Cunningham
Elizabeth Ann Davis
Hope Caroline Davis
Elizabeth Davis
Neelesh Dewan
Elke-Esmeralda Dikoume
Holton James Dunville
Katherine Elizabeth Dyer
Tanisha Edwards
Mandy Jane Eidson
Olivia Lynn Eskew
Keia Faison
Christopher Timothy Felix
Akilah Monet Ffriend
Christopher Flesher
Lauren Ashley Forbes
Brooke Nicole Foster
Nora Laine Fritz
William Austin Gerhard
Elizabeth Goslin
Elizabeth Carter Greenberg
Laura Brookshire Grier
Kelsey Grace Gustaveson
Arthur Clifton Guyton II
Joel J. Hage
Julia Hah
Shyra Hall
Samantha Kelsey Halle
Alexandra Hammer
Stefan Hansen
Courtney Harriott
LaShawn Jenay Hart
Olivia Suzanne Hart
Elizabeth Marie Hawryluk
Kathleen Mary Hayes
Phillip Healy
Nariman Hussein Heikal
Grant Patrick Heskamp
David Hill
Madeleine Hindenlang
Anne Ellis Holmes
Elise Suzanne Hopkins
Kristina Hsieh
Gwen Yung-Hsin Hwarng
Adriana Iturbide Rodriguez
Suzanne Jasmine
Carolyn Danielle Jeffries
Jessica Ann Jenkins
Katherine Elizabeth Johnston
Melanie Johnston
Niaisha Shenese Johnston
Allen Michael Jones
Daniel Nicholas Jourdan
Avery Saylor Keese
Joseph C. Konstanzer
Josephine Rosie Kooijman
Savan Mansukhlal Kothadia
Lauren Ashley Kowadlo
Katherine Krantz
Jasmine Asha Fadale Kreig
Sean Everett Langberg
Jonathan Colin LaPrade
Molly Anne Laux
Nicole Marie Lawing
Nguyen Huynh An Markus Le
Alexis Marie Leca
Alex Ledbetter
Janice Lee
Rebecca Jungwhan Lee
Meredith Lindsey Lewis
Jiwon Lim
Hetali Lodaya
Ceewin Naomi Louder
Samantha Ling Luu
Kelly Eileen McDermott
Devyn McDonald
Timothy Duncan McEachran
Ellen McKnight
Orlando Mendoza
Matthew Hamilton Meyers
Mary Margaret Mills
Pooja Mohanty
Alexandra Carolina Montaner
Renee Christine Montpetit
Robert Anthony Mook III
Taylor Moore
Paula Marie Muños
Logan Whitney Nail
Daranee Elaine Nasongkhla
Jennifer Elizabeth Neal
Constance Julia Nething
Hinson Thomas Neville
Irene Adair Newman
Brittany Lynn Newman-Eckert
Hoang My Nguyen
Yvonne Nguyen
Kendall Rose Nicosia-Rusin
Blake P O'Connor
Anna Ollinger
Conor Neumann O'Neill
Anneke J. Oppewal
Emily Renee Ott
Katie Nicole Overbey
Lisa Afua Owusu-Antwiwaah
Alexa Marie Oyague
Ivy Palas
Emily Palmer
Kelsey Pan
Neal Patel
Nikita Patel
Pooja Patel
Sheila Vipul Patel
Vishalee Patel
Sheev Mukund Patidar
Emily Pelehach
Mallory Nicole Perez
Myrna Mazal Perez
Anna C. Perry
Grace Peter
Samantha Jean Pfotenhauer
Portia Tierra Polk
Caroline Leigh Porter
Claire Powers
Tyson Cozart Presnell
Taylor Danyee Price
Sarah Elisabeth Pruteanu-Malinici
Lenzie Purcell
Julia Victoria Ramos
Nabila Siraj Rattani
Kiaira De'Lia Reed
Brittany Ann Reeves
Sara Joy Robinson
Kristen Rosano
Elizabeth Rossitch
Christopher Rota
Ashley Marie Roy
Matthew Ryan
Lauren Virginia Salvia
Megan Caroline Salvia
Gautam Sanka
Juliana Patricia Saracino
Ann Scavone
Emma Elizabeth Seagle
Kyle Ann Sebastian
Marisa Nicole Segarra
Savita Senthil
Zainab Shams
Farhana Riyaz Shemna

* *Chancellor's Award*

Britt Sikora
Lauren Marie Silver
Katherine Simkins
Brynn Elyse Smith
Hannah Rose Marie Smith
Kelsey Renee Smith
Lein Emmad Soltan
Wendy Song
Camille Martine Sowder
Sheila Renee' Spence
Mary-Claire Spencer
Anna Elisabeth Spickard
Vishwajith Sridharan
Shannon Rae Steel
Anna Elizabeth Sturkey
Shelby Sugierski
Abigail Walser Terkeltoub
Georgia Titcomb
Simone Michelle Trotman
Samantha Tulenko
Cheyenne D. Turner
Priscilla Tutu
Julie Claire Uffelman
Kathleen Meagher Ughetta
Carlisle Uhlman
Rachel Margaret Uhlman
Avani Uppalapati
Margaret VanDeusen
Rick Daniel Vavolizza
Neha Vennekkat
Madhulika Vulimiri
David Michael Warner II
Nicole Welsh
Laura Katherine Wert
Caroline White
Devin J. White
Margrethe Luisa Williams
Kate Logan Wilson
Hope Marie Wolf
Zoe Jewell Wolszon
Caitlin Taylor Wood
Lindsay Jane Wright
Yiwen Katherine Wu
Linda Lee Yang
Alekhya Yechoor
Amberli Taylor Young
Chenxi Yu

Mingma Norbu Sherpa Fellowship
William Gerhard

Office for Undergraduate Research

Carolina Research Scholars
Sherifat Ademola
Hannah Elise Aichelman
Priya Balagopal
Ana-Maria Balta
Ayiesha Barnes
Raymond Mario Barry
Aidan Berry
Michele Bresler
Kinnari Rajesh Buch
Thanh Bui
Coty W. Burke
Wilton Burns
Hannah Marie Burris
John Hadley Burrows
Kevin Claybren
Daijha Copeland
Ellen Cowherd
Jesse Ian Crayle
Dillon Crockett
Chris Cunningham
Neelesh Dewan
Lukas Dumberger
Holden James Dunville
Katherine Dyer
Kaitlyn M. Ferguson
Thomas Flannery
Vijay Gadani
Alex Gottschalk
Katherine Grady
Varun Gulati
Parker Andrew Kendle
Mahreed Rahman Khan
Jessica Kincaid
Joseph Calvin Konstanzer
Andrew Krusell
Rebecca S. Lane
Nguyen Huynh An Le
William Lee
Rebecca JungWhan Lee
Yebei Lin
Colleen Lynd
Melisa Menceloglu
Paula Marie Muñoz
Daniela Mytsa
Constance Julia Nething
Hoang My Huu Nguyen
Kendall Nicosia-Rusin
Scott Oppler
Kelsey Pan
Gregory Pereira
Margaret Radack
Kristen Knutsen Rosano
Christopher Michael Rota
Eric Scheier
Jessica L. Smith
Shannon Smith
Shannon Steel
Jonathan Stupak
Georgia Titcomb
Stephanie Tolar
Rachel Jane Tyson
Zoe Jewell Wolszon
Francis Wong
Yiwen Katherine Wu
Alekhya Yechoor
Amberli Young
Evan Ross Zeldin
Ying Zhou

SONJA HAYNES STONE CENTER FOR BLACK CULTURE AND HISTORY

*George Moses Horton Award for Multicultural Leadership**
Sharessa Royster

Scholarships

Eve Carson Scholars
Emma DeWitt
Paige Holmes

DISTINGUISHED SCHOLARSHIPS

Churchill Scholarship
Surojit Biswas

Gates Cambridge Scholarship
Casey Allison Rimland

The Luce Scholars Program
Joël Joseph Hage

Mitchell Scholarship
Sarah Margaret Bufkin

UNIVERSITY DISTINGUISHED SCHOLAR GRADUATES

Advantage Scholars
Nolan Cobb
Julie Wellons

Armfield Merit Scholars
Caleb Dagenhart

Mark R. Braswell Scholars
Risikat Ademola
Gabriele Barron-Brown
Dasmier Chambers
Torian Holt
Nickolas Powers

Carolina Scholars
Salma Azam
Ana-Maria Balta
Madiha Bhatti
Isabelle Boehling
Joshua Brown
James Carpenter
Stephen Challener
Shalini Chudasama
Alexandria Cluen
Austin Cooper
Andrew Darvin
Sravya Durbha
Alison Evarts
Thomas Flannery
Amanda Gurkin
Wilson Henry
Allison Hill
Jasmine Hill
Jules Hill
Jesse Holloway
Gwen Hwarng
Patrick Kenna
Ian Lipman
Edgar Lopez
Jorge Martinez-Blaz
Irene Newman
Kendall Nicosia-Rusin
Ian Noblitt
Vishalee Patel
Katherine Proctor
Ashley Rivenbark
Jessica Smith
David Spanos
Vishwajith Sridharan
Grace Tatter
Elizabeth Whitfield
Guoshang Xiao

Class of 2014 Distinguished Scholars
Emily Allan
Omar Alsaidi
Ashley Baker
Edward Bartels
Margaret Black
Scott Cutler
Cameron Clavin
Camille Davis
Tanisha Edwards
Lucas Edmond
Valerie Eng
Ty Fenton
Kaitlyn Ferguson
William Gerhard
Marjorie Grigg
John Grossfuss
Meredith Hamrick
Tyler Hood
David Howells
Taylor Ibrahim
Robert Jones
Rachel Kaplan
Andrew Kendle
Erin Kenny
Tiffany King
Aislinn Klos
Andrew Krusell
Hetali Lodaya
Joe Lu
Matthew Mccullen
Elizabeth Morris
Leslie Nelson
Zi Ning
Conor O'Neill
Ivy Palas
Anderson Phillips
Caroline Porter
Ezekiel Saber
Alexa Schmidt
Kelsey Schneider
Peter Schultz
Xuzhe Shen
Stuart Strickland
Aaron Stroud
Deborah Thurman
Aisha Venugopal
Eric Walston
Robert Whaling
Corinne White
Yiwen Wu

Andrew Yosim
Yingao Zhang
George Zhao

Coker - Fox Scholar
Lucy Williams

College Fellows
Shannen Box
Galen Burns-Fulkerson
Michael Jones
Katherine Phillips
Michael Welker

Josephus Daniels Scholars
Jamal Benjamin
Ronald Canales
Nguyen Le
Allison Thomas

Founders Scholars
Gregg Godwin
Hector Pureco

H. Allen Gant II - Davis United World College Scholars
Patrick Brunell
Miriam Celnarova
Dylan Mott
Faima Ramirez Hirschauer
Nehemiah Thaveethu

Herbert Worth Jackson Academic Scholars
Daniel Allen
Christine Eubanks
Lindsay Johnson
Pu Jing
Sahar Kazemzadeh
David Nenon
Eric Porter
Matthew Steyl
Andrew Veazey

James M. Johnston Scholars
Thomas Ashcraft
Seth Barkley
Benjamin Blue
Kinnari Buch
Hannah Burke
Luke Campbell
Phillip Caprara
James Carras
Anwuli Chukwurah
Guile Contreras
Haley Cook
Staci Cooper
Carson Fish
Lucy Guttenberger
Thomas Hays
Craven Inions
Raven Jones
Michael Lananna
April Lee
Diamond Leggett
Sydney Leonard
Olivia Lindsey
Chelsea Martin
Miller McLean
Brian Morrow
Amberly Nardo
Nneka Ndubsi
Cameron Poole
Keila Purnell
Justin Reid
Colby Robbins
Ashley Roy
Kyle Ann Sebastian
Garrett Stell
John Stupak
Stephanie Tolar
Marissa Washington
Filip Wodnicki
Weilin Zou

James M. Johnston Undergraduate Nursing Scholars
Faren Ange
Jennifer Jones
Kelsey Keller
Brian Kistner
Jacqueline Lyon
Ruthanne McLendon
Casey Smit
Steven Sump
Mary Weiner

Mackenzie Family Foundation Scholar
Courtney Sanford

Fred Morrison Scholars
Lateria Corbin
Antonio Faison
Paul Ferris
Jacob Harwood
Alice Langrall
Sarah Rawls
Robert Rusher

Old Well Scholars
Elise Hartley
Margaret Radack
Samuel Smith

Herbert and Mayme Pegg Scholars
Tyler Daniel
Logan Freeman
Landon James
Lisa Owusu-Antwiwaah
Maribel Portillo
Tyler Ray

Joseph E. Pogue Scholars
Sherifat Ademola
Peter Alfredson
Kiara Aranda
Cynthia Betubiza
Myeshia Bryant
Ashley Ellis
Eyerusalem Haile
Keenan Harrell
Olutoyosi Oyelowo
Gregory Pereira
Nga Thach

Colonel John H. Robinson Scholars
Obinna Achuko
Ifeoluwa Ajao
Morgan Bettcher
Devon Bottomley
Erin Chew
Kyree Clark
Aaron Clayton
John Crenshaw
Danielle Enrique
Zachary Gaver
Jenese Hornsby
James Kuo
Vashti Robinson
Gautam Sanka
Emily Smith
James Strauss
Joseph Weissburg
Chenxi Yu
Ari Zitin

Caroline and Thomas Royster Scholars
Sierra Lloyd
Mallory Porter
Jordan Poythress
Kelsey Smith

Marvin B. Smith Jr. Scholars
Abdul-Rahman Eljabaly
Jefferson Ellington
John Spivey

W. Roger Soles Scholar
Jessica Garner

William Whitaker Scholars
Noelle Demeny
Hannah Kerner
Erica Konczal
Allen Lyons
Kimberly Miglino

GENERAL ALUMNI ASSOCIATION SCHOLARSHIPS

Douglas S. Dibbert Scholar
Margaret Barrows

GAA Scholars
Jared Foster Giles
John Christopher Guzek

Light on the Hill Society Scholars
Julius Peppers Scholar
Keia Verene Faison

Light on the Hill Society Scholars
Jared Foster Giles
Ceewin Naomi Louder
Brandon Dominique Neely
Vashti Nicole Robinson

MOREHEAD-CAIN SCHOLARS

Class of 2014
Zoe Claire Ackerman
Elise Nicole Bare
Joshua Dylan Barrett
Burak Basogul
Anna Gertrude Bobrow
Taylor Joseph Boone
Emily Renard Bowe
Rachel Emily Burns
John Hadley Burrows
Marie Elise Clements
Elizabeth Rebecca Davis
Sara Ashraf El-Bohy
Aubrey Moran Germ
Patrick Clifton Gray
Ashley Virginia Gremel
Arthur Clifton Guyton
Joel J. Hage
Kathleen Mary Hayes
Grant Patrick Heskamp
Troy Clifton Homesley III
Sakibul Huq
Michael Paul Jacobs
Akhil Arvind Jariwala
Carolyn Danielle Jeffries
Alexander Edward Karsten
Michael Kayemba
Cameron Joseph Kneib
Kelsey Danielle Knight
Christopher David McCartney Lambden
Kayacan Lordoglu
Katherine Blair Matthews
Brandon Michael Mayfield
Laura Kathryn McCready
Taylor Meredith Moquist
Lorna Louise Morris
Stephanie Hanna Najjar
Hannah Sare Nemer
Helen Bobbitt Powell
Lauren-Kristine Blanks Pryzant
Julia Victoria Ramos
George Edmonds Ramsay
Melanie Ferguson Rio
Elizabeth Meade Rodenbough
Nicole Doris Roscoe
Patrick Joseph Short
Cameron Michael Smith
Charles Fletcher Smith
Rohan Ayinde Smith
Kaddu Martin Ssekibakke
Anna Elizabeth Sturkey
Megan Nichole Thomas
Nathan Spencer Tilley
Georgia Catherine Titcomb
Margaret Carey VanDeusen

* *Chancellor's Award*

Nicola Michelle Vann
Madhulika Vulimiri
Daniel Patrick Warren
Edward Jocelyn Warren
Andrew John White
Thomas Ingram Wolf
Zoe Jewell Wolszon
Francis Anthony Wong

ROBERTSON SCHOLARS

Class of 2014
Alexander Alexeyevich Belokopytov
Margaret Madeline Brown
Erika Taylor Ferguson
John Christopher Guzek
Samantha Kelsey Halle
Edward Hooper Hardison
Eli David Hornstein
Jordan Louis Jaffe Imbrey
Erika Kimberly Keil
Aaron Samuel Lutkowitz
Paula Marie Munoz
Blake Patrick O'Connor
Rufus Wilson Orr
Thomas Alexander Pendlebury
Stefanie Mei Schwemlein
Robert Sheffield Sewell
Colin M. Ward
Zachary Gabriel Zlatev

ROYSTER SOCIETY OF FELLOWS

Graduates for the 2013-2014 Academic Year
Sarah Ayako Barksdale, *History*
Janel Nikol Beckham, *Communication Studies*
Zane Edward Blanton, *Statistics and Operations Research*
Colin Scott Campbell, *Sociology*
Jenna Leigh Clark, *Psychology*
Elicia Parker Cowins, *Business Administration*
Maia Christina Dedrick, *Anthropology*
Bryan Shroyer Der, *Biochemistry and Biophysics*
Paul A. Gilbert, *Health Behavior*
Shelley D. Golden, *Public Policy*
Vincent Michael Gonzalez, *Religious Studies*
Sara Elizabeth Hanson-Hedgecock, *Geological Sciences*
Melissa M. Jenkins, *Psychology*
David William Kikuchi, *Biology*
Mona Kilany, *Health Policy and Management*
Gregory A. Lipton, *Religious Studies*
Qi Lu, *Art History*
Marta McCabe, *Education*
Louis Ari Merlin, *City and Regional Planning*
Warren Eugene Milteer, *History*
Amanda Jean Moffett, *Physics and Astronomy*
Jessica K. Pepper, *Health Behavior*
Nathan David Pfeifer, *Pharmacy*
Ashleigh Wells Raabe, *Art History*
Jeremy M. Simon, *Bioinformatics and Computational Biology*
Che Lena Smith, *Biostatistics*
Daniel Pieter Smith, *Public Policy*
Florian Stoeckel, *Political Science*
David Charles Supp-Montgomerie, *Communication Studies*
Jennifer Supp-Montgomerie, *Religious Studies*
Laura R. Wagner, *Anthropology*
Tasanee Ross Walsh, *Social Work*
Tiantian Yang, *Sociology*

Scholastic Honor Societies

PHI BETA KAPPA

President: Keith Eric Pulling
Vice President: Zoë Jewell Wolszon
Recording Secretary: Kristen Knutsen Rosano

Fall 2011 Initiates
Michelle Mariko Ikoma

Fall 2012 Initiates
Daniel Kuoni Allen
Shalini L. Chudasama
Lucas John Edmond
Gwen Yung-Hsin Hwarng
Akhil Arvind Jariwala
Rebecca Faith Kirk
Sarayu Kumar
Woei-Lih William Lee
Colleen Lynd
Mallory Anne Melton
Scott Hunter Oppler Jr.
Emily E. Palmer
Roopa S. Panduranga
Malhar Patel
Nikita Patel
Kristen Knutsen Rosano
Patrick Joseph Short
Jessica L Smith
Vishwajith Sridharan
Burton Joseph Westermeier
Corinne Zerwick White
Zoë Jewell Wolszon
Francis Anthony Wong
Alekhya Yechoor

Spring 2013
Kacie Lynne Albert
Aidan Joy Berry
Leslie Ann Blake
Anna Gertrude Bobrow
Joshua Alexander Brown
Margaret Madeline Brown
Kathleen Emily Burch
Phillip Alexander Caprara
Erin Yee-May Chew
Kevin Chu
Wendy Arisha Clay
Lauren Ashley Crawford
Jesse Ian Crayle
Andrew Joseph Darvin
Benjamin E. Dreyzen
Johannes Lourens Du Pisanie Jr.
Chelsea Elizabeth Earley
Paul A. Ferris
Thomas Francis Flannery
Christopher Jeremiah Flesher
Sneharamya Venkata Gadi
Michael A. Gonzalez
Joel Joseph Hage
Elana Michelle Hain
Meredith A. Hamrick
Rachel Mary Housego
Kavon Mohammad Javaherian
Carolyn Danielle Jeffries
Daniel Louis Jones
Rachel Lynn Kaplan
Jonathan Dane Keil
Savan Mansukhlal Kothadia
Sean E. Landberg
Molly Anne Laux
Nicole Marie Lawing
Yebei Lin
Matthew A. Little
Mark Joseph Loveland
Thomas C. Lowrey
Maheer Muhammad Masood
Josiah Fields McCoy
Jennifer Elizabeth Neal
Ian Merrill Noblitt
Keith Eric Pulling
Mckenzie K. Roddy
Elizabeth Meade Rodenbough
Shannon Rae Steel
Trent Stohrer
Sophie Katherine Stramm
Anna Elizabeth Sturkey
Deborah Ann Thurman
Nathan Spencer Tilley
Georgia Catherine Titcomb
Samantha Elizabeth Tulenko
Madhulika Vulimiri
Linden Elisabeth Wait
Daniel P. Warren
Elizabeth Ashley Whitfield
Zachary Raymond Wynne
Chenxi Yu
Ari B. Zitin

Fall 2013 Initiates
Zoe Claire Ackerman
Ann Dunn Andracchio
Margaret Lillian Barber
Sarah Hillsman Barger
Margaret S. Barrows
Edward Ryan Bartels
Mary Morgan Bitler
Marie Elise Clements
Austin Rory Cooper
Camille Juliana Davis
Anna Wallis Dietrich
Holton James Dunville
Jonathan Samuel Edelman
Eric Peter Eikenberry
Alison Blair Evarts
Isabelle Arden Francke
Stephen Michael Freeman
Gwendolyn Marcella Gaylord
Laura Barbara Grant
Jason Andrew Hallman
Reid Justus Hamilton
Elise Carroll Hartley
Carol Elizabeth Haver
Elise Suzanne Hopkins
Sakib Huq
Bailey Ann Jones
Eric Preston Jones
Alexander Edward Karsten
Sonya Qayum Khattak
David Michael Khrakovsky
Aislinn Rose Klos
Hanna Emily Labiner
Sarah Kimberly Levine
Meredith Lindsey Lewis
Daniel Cheng-Xian Liauw
David Cheng-Xin Liauw
William Gray Lindsey
Emily Katherine Lucas
Kelsey Barber McGuinness
Donald Miller McLean III
Alex Vernon Moehring
Ariane Lynn Nabors
Max T. Nagle
Stephanie Hanna Najjar
Hannah Sare Nemer
Ashley N. Ownbey
Molly Elizabeth Patterson
Thomas Alexander Pendlebury
Megan Fisher Pera
Anderson Herman Phillips
Helen Bobbitt Powell
Katherine Proctor
Margaret Jane Radack
Kyle C. Richardville
Ashley Paige Rivenbark
Emma Rosenthal
Jessica Renee Scaggs
Ramsey Werner Scofield
Kyle Ann Sebastian
Cameron Michael Buss Smith
Jonathan L. Stupak
Benjamin Daniel Sutherland
Elizabeth Kelley Thorne
Thomas John Tkacik

Rick Daniel Vavolizza
Julie Michelle Wellons
Nicole Alyssa Welsh
Emily Alyssa Whitfield
Thomas Ingram Wolf
Cameron Champion Wood
Hannah Min Yoo

Spring 2014 Initiates
Peter Cameron Alfredson
Ashley Kathleen Allen
Clyde Kelly Atkins III
Caroline Elizabeth Baker
Amanda Frances Baldiga
Mallory Lauren Barrasso
Leslie Chandler Batchelor
Matthew Joel Braswell
Erin Elizabeth Brown
Meredith Marguerite Boyd Carter
Shayna Melody Cheek
Casey Marie Clements
Brendan Michael Cooley
Elizabeth Rebecca Davis
Michael Erik Dickson
Amanda Rosenlof Drake
Simone Teresa Duval
Brennan Janice Ehlinger
Sara Ashraf Elbohy
Jessica L. Errera
Colleen Elizabeth Fisher
Danielle Alexandra Fradin
Richard Meyer Frost
Karli Anne Gast
Rachel Beth Ger
Haley Ann Gfeller
Shelley Rebecca Gist
Brian Stark Godfrey
Devin Anne Gustafson
Jennifer Grey Hamilton
Edward Hooper Hardison III
Elizabeth Marie Hawryluk
Renee Janet Hayter
John Robert Edward Healy
Melissa Marie Heisterberg
Richard Turner Henderson
Erica Morgan Hicks
Robert Martin Hinson Jr.
Jesse V. Holloway
Dylan James Hunter
Daniel Adam Huseman
Samuel Clements Jones
Jiyoung Jung
Lucy Claire Keenan
Lauren Michelle Kemp
Lara Ashley Keyes
Nathaniel Theodore Koutlas
Amanda Marie Kramer
Allison Marie Kroiss
Michelle Ann Kurkowski
Chelsea Jill Kutner
Alyssa Rae Leib
Brett Ryan Leslie
Angela Lucille Longo
Katherine Blair Matthews
Mack Evans McCaul III
Eli P. McCrain
Timothy Duncan McEachran
Ellen B. McKnight
Melisa Menceloglu
Lindsay M. Miller
Joshua Stephen Mooneyhan
Lorna Louise Morris
Farrell M. Murphy
Sean Christopher Helm Olson
Joshua Sassoon Orol
Erin T. Padgett
John Coulter Parker
Gregory Frank Florey Pereira
Agostino Perna
Lauren Robinson Phelps
Caroline Leigh Porter
Julia Victoria Ramos
Osiris Rankin
Jonathan Aaron Rich
Helen Irene Rolf
Elizabeth Goodall Rossitch
Christopher Michael Rota
Ezekiel Paul Saber
Lauren Virginia Salvia
Megan Caroline Salvia
Kristopher Michael Sandifer
Lindsay B. Savelli
John Townsend Schmale
Alexa Brianne Schmidt
Peter L Schultz
Sima Lynn Sharara
Kylie Elizabeth Shryock
Atar Stav
Jason Rory Steinberg
Mary Irene Stevens
Jessica L. Stone
Grace Tatter
Rachel Leah Tove-White
Aisha Venugopal
Bruce Gene Wei
Michael David Welker
Abbey Morgan Wells
Aimee Danielle Wilde
Lindsay Jane Wright

Honorary Societies

FRANK PORTER GRAHAM GRADUATE AND PROFESSIONAL HONOR SOCIETY

President: Michael Bertucci
Vice-President: Richard Watkins
Secretary: Lindsey Smith
Treasurer: Anna Krome-Lukens

2014 Inductees
Kizzmekia Corbett
David Cranford
Alexandra Dickinson
Cassandra Hartblay
Logan Liles
Xin Liu
Jose Daniel Rojas Rojas
Whitney Sewell
Serena Witzke

NATIONAL RESIDENCE HALL HONORARY

*Robert White Linker Award**
Chris Cunningham

Officers
President: Alisha Gardner
Vice President: Ricky Kong
Executive Administrator: Linran Zhou
Conference Chair: Kinsey Richardson
Recognition Chair: Ajene Robinson-Burris
Service Chair: Benjamin Blue
Fundraising Chair: Kayla Gentry

ORDER OF THE BELL TOWER

President: Brittany Ann Reeves
Vice President: Yusra Shaukat Iftikhar
Secretary: South Alexander Moore, '15
Member at Large: Jefferson Keith Sinclair III, '15
Alumni Relations Director: Sarah Whiting Cooley, '15
Current Students Director: Landon David Sherwood, '15
Future Students Director: Hannah Smith
Public Relations Director: Samantha Kelsey Halle

Fall 2010 Initiates
Amy Bell
Amanda Lindsay Gurkin
Gayatri Surendranathan

Fall 2011 Initiates
Andrew Joseph Grillo
Abigail Terkeltoub

Fall 2012 Initiates
Tiffany Michelle Eden

ORDER OF THE GOLDEN FLEECE

Officers:
Natalie Borrego
Kevin Claybren
Emma DeWitt
Lauren Friedmann

2013-2014 Inductees
Patrick Carney
Alex Karsten
Anthony Locklear
George Ramsay
Madhu Vulimiri

2014-2015 Inductees
Sarah Barger
Viviana Bonilla
Issack Boru
Aubree Broadwater
Lauren Bullock
Drew Cabaniss
Alayah Glenn
Tasia Harris
Nariman Heikal
Safiyah Ismail
Mike Jones
Patrick Mateer
Kelly McFarlane
Andrew Powell
Will Robin
Dillon Robinson
Jodi Schur
Whitney Sewell
Anna Sturkey
Cora Went

ORDER OF THE GRAIL-VALKYRIES

Officers:
Delegata: Rachel Holtzman
Member: Kate Matthews

2013-2014 Initiates
Zoe Ackerman
Nelly Bellamy
Ananda Day
Ashley Gremel
Joël Hage
Anna Krome-Lukens
Hoang "Ping" My Huu Nguyen
Julia Ramos
Patrick Short
Eli Craven Tate
Meg VanDeusen
Chenxi Yu

HONORS CAROLINA

Class of 2014
Kaitlyn Nicole Anderson
Ann Dunn Andracchio
Clyde K. Atkins III
Swathi R. Ayyagari
Ana-Maria Balta
Elise N. Bare
Seth Miller Barkley
James Baynard
Madiha Zafar Bhatti
Mary Morgan Bitler
Margaret Elizabeth Black
Leslie Ann Blake
Anna Gertrude Bobrow
Shannen Elizabeth Box
Margaret Madeline Brown

* *Chancellor's Award*

Cameron John Bunch
Kathleen Emily Burch
John Hadley Burrows
Phillip Alexander Caprara
Dylan G. Carroll
Erin Yee-May Chew
Kevin Chu
Shalini L. Chudasama
Casey Marie Clements
Austin R. Cooper
Nicole Curnes
Elizabeth Davis
Michael E. Dickson
Ian Dohm
Natalie Sievert Dunlop
Sravya Ravali Durbha
Jonathan Samuel Edelman
Lucas John Edmond
Mandy Eidson
Sara Ashraf Elbohy
Christine E. Eubanks
Alison Blair Evarts
Erika Ferguson
Kaitlyn M. Ferguson
Carson Noel Fish
Thomas Francis Flannery
Lauren Friedmann
Vijay Dilipkumar Gadani
Zachary P. Gaver
Gwendolyn Marcella Gaylord
Xiyuan Ge
Ross S. Gelber
Abby Jean Gerdes
William A. Gerhard
Haley Ann Gfeller
Nevin Gleason
Hunter Lane Gray
Patrick Clifton Gray
Marjorie Anne Grigg
Chuner Guo
Lucy O. Guttenberger
John C. Guzek
Samantha Christine Gwyn
Joel Joseph Hage
Luke Wilson Hagemann
Samantha Kelsey Halle
Mary Paige Hanson
Anagha Mukund Hanumante
Kathryn Leigh Harper
Elise Carroll Hartley
Kathleen Mary Hayes
Wilson Allen Henry
Jesse V. Holloway
Rachel A. Holtzman
Troy Clifton Homesley
Gwen Yung-Hsin Hwarng
Jordan Louis Jaffe Imbrey
Kavon Mohammad Javaherian
Carolyn Danielle Jeffries
Jessica Ann Jenkins
Katyayani Jhaveri
Lindsay Johnson
Bailey Ann Jones
Samuel C. Jones
Amit Katyayan
Sahar Kazemzadeh
Lucy Claire Keenan
Francis Xavier Kelly IV
Patrick Kenna
Aislinn R. Klos
Savan Mansukhlal, Kothadia
Allison Marie Kroiss
Sarayu Kumar
Molly Anne Laux
Nguyen Huynh An Markus Le
Hyungkwon Lee
Brett Ryan Leslie
William Gray Lindsey
Hetali Mayur Lodaya
Mark Loveland
Alexander Lowe-Skillern
Joe Lu
Laralee Hagan Lynch
Colleen Lynd
Marta Malmberg
Zachary Arthur Maniloff
Lindsey E. Marks
Katherine Blair Matthews
Mary Clare Mazzocchi
Laura Kathryn McCready
Kelsey Barber McGuinness
Mallory A. Melton
Lindsay M. Miller
Lorna Louise Morris
Stephanie Hanna Najjar
Jennifer Elizabeth Neal
Hannah Nemer
Constance Julia Nething
Irene Adair Newman
Kendall Nicosia-Rusin
Zi Ning
Emily Joanna Nixon
Ian Merrill Noblitt
Blake Patrick O'Connor
Conor N. O'Neill
Scott Hunter Oppler Jr.
Erin T. Padgett
Malhar Patel
Neal Patel
Vishalee Patel
Sheev Mukund Patidar
Thomas Alexander Pendlebury
Katherine Winberry Phillips
Caroline Porter
Eric B. Porter
Helen Bobbitt Powell
Nicholas Priore
Renee Psenka
Margaret J. Radack
Julia V. Ramos
Lauren Elise Riedle
Melanie Rio
Ashley Rivenbark
McKenzie K. Roddy
Kristen Knutsen Rosano
Nicole Roscoe
Lauren Virginia Salvia
Gautam Sanka
John Townsend Schmale
Alexa Brianne Schmidt
Stefanie Mei Schwemlein
Kyle Ann Sebastian
Clare Diane Shaffer
Patrick J. Short
Cameron Michael Smith
Jessica L. Smith
Vishwajith Sridharan
Shannon Rae Steel
Mary Irene Stevens
Matthew Christopher Steyl
Trent Stohrer
Jessica L. Stone
Sophie Katherine Stramm
James Marcus Strauss
Stuart Jeffrey Strickland Jr.
Elizabeth R. Szep
Minh Tang
Grace Tatter
Ernest Thompson
Grace Ruth Thompson
Nathan Spencer Tilley
Georgia Catherine Titcomb
Thomas John Tkacik
Stephanie Marie Tolar
Samantha Tulenko
Carlisle Alice Uhlman
Michael D. Welker
Burton J. Westermeier
Andrew John White
Madeline Louise White
Elizabeth Ashley Whitfield
Timmons Elizabeth Williams
Caitlin Williamson
Marshall Kelly Winchester
Thomas Ingram Wolf
Max A. Wolpert
Zoe Jewell Wolszon
Francis Anthony Wong
Lindsay Jane Wright
Yiwen Wu
Felicia I. Zbarcea
Yingao Zhang
George Luming Zhao
Ying Zhou

BURCH FELLOWS PROGRAM

2013 Burch Fellowship
Morgan William Bettcher
Mary Margaret Howell
Matthew Christopher Steyl
Burton Joseph Westermeier

2012 Burch Fellowship
Laura Catherine Buff
Charles Andrew Harris
Shampa A. Panda
Rebecca Morgan Rohrer
Gautam Sanka
Melissa Leigh Wrzesien

2011 Burch Fellowship
Sanitago Beltán

School Awards

The Kenan-Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

Delta Sigma Pi Scholarship Key
Akhil Arvind Jariwala

Jimmy Garrell-Tabor City Award for Excellence in Community Service
Brenna Danielle Johnson

Jimmy Garrell-Tabor City Award for Excellence in Leadership
Erin Alyse Rowe

GLOBE Class of 2014
Zachary Robert Alexander
Jihoon Baek
John Andrew Caudle
Shalini Laxmikant Chudasama
Mohammed Saifuddin Hajee
Akhil Arvind Jariwala
Hilary Eliza Kritz
Christie Paola Lainez
Eric Gentry Nelson
Lauren Elizabeth Papes
Sheev Mukund Patidar
Lauren-Kristine Pryzant
Amy Elizabeth Schwartz
Xuzhe Shen
Elise Nicole Smith
Byung Sik Yun
George Luming Zhao

*The Hampton Shuping Prize**
Michelle Mariko Ikoma

Kenan Institute Leadership Fellows
Rachel I. Greenberg
Ashley Virginia Gremel

Undergraduate Business Class of 2014 Honors Candidates
Marta Malmberg
Sean Christopher helm Olson
Lauren-Kristine K. Pryzant
Erin Alyse Rowe
Caitlin Williamson

Undergraduate Business Excellence in Entrepreneurship Award
Jacob Conger

Undergraduate Business Excellence in Finance Award
Rufus Wilson Orr IV

Undergraduate Business Excellence in International Business Award
Emily Elizabeth Thompson

Undergraduate Business Excellence in Management Communication Award
Akhil Arvind Jariwala

Undergraduate Business Excellence in Marketing Award
Julie Claire Uffelman

Undergraduate Business Excellence in Operations Management Award
Yao Jessica Xiong

Undergraduate Business Excellence in Organizational Management Award
Katherine Lee Rusk

Honorable Mention for Undergraduate Business Leadership and Service
Jacob Conger
Matthew D. Curulla
Benjamin Glock
Steven Scott Kupres
Alexandria Jhordan Merkel
Robert Anthony Mook III
Brendan Angelo Nally
Sarah Kelley Pellegrino

Undergraduate Business Student Association Award for Club Leadership
Ryan Michael Gallan

28th Annual Undergraduate Symposium Core Planning Committee
Jacob Allen Baldwin
Yu Cheng
Leah A. Gonzalez
Allison Kaye Hill
Addie Dow Keeter
Eric Sherwood Kline
Marissa Kay Onsager
Neal Patel
Belma Porobic
Claire M. Powers
Meredith Hope Reynolds
Yao Jessica Xiong

2013 Undergraduate Symposium Service Award
Addie Dow Keeter

UNDERGRADUATE BUSINESS MERITORIOUS SCHOLARSHIPS 2013-2014

BSBA Assured Admit Scholarship
Amanda Gurkin
Allison Hill
George Zhao

John Duke Baldridge Jr. Scholarship
Michael Bojanski
Moradesola Bola-Oyeledun
Andrew Carlin
Trey Manning
Sotires Pagiavlas
Carly Wolberg
Frank Wu

Carl and Janice Brown Preferred BSBA Scholarship (for pre-admits)
Evan Benkert
May Chang
Brad Heshmaty
Alexa McClain

Carl and Janice Brown Upperclass Academic Scholarship Fund
Kristen Busby
Zachary Grieb
Michael Sutton

Eric Windsor and Jessamine Brown Cass Undergraduate Scholarships
Jacob Conger
Kristen Cope
Brooke Curtis
Andrew Michael Daniel
Nisha Datta
Jamal Davis
Laura Wells Gill
Matthew Stephen Kelly
James Paul Lilley
Sallie K. Lucas
Michael Gary Moody Jr.
Bobby Mook
Lauren Papes
Katelyn S. Storey
Daeun Yang
Lucille Pu Zhong

Wayland H. Cato Jr. Leadership Scholars
Christopher Jones
Parag Satsangi

CIBER Travel Award
Abigail Barnhill
Alexander Biehl
Karissa Evans
Ryan Lee
Natanya Montgomery

The Gene Clark Memorial Scholarship
Alicia Hayne Alford
Craig Wold Amasya
Emma Grace Blackwell
Megan Elizabeth Cross
Madeline Grace Douglas
Mohammed Hedadji
Allyn Claire Hollingsworth
Jinyoung Kang
James Paul Lilley
Deanna Nicole MacCormac
Michael Ruggeri Olson
Pooja Sundararajan Panduranga
David Andrew Snedecor
Karthik Aravind Sundaram
Imani Hope Sweatt

James Wilford Clark Jr. Undergraduate Scholarship
Daniel Giles
Ryan Ramsey
Sabrina Saunders

The N. Courts Cooledge Family Endowment
Allison Whitmeyer

The William G. Daughtridge Jr. Study Abroad Fund
Brian Robert McClintock
Austin Matthew McKey
Rusher Alexander Pope

Marion Dixon BSBA Scholarship Fund
Nicholas Robert Humann
Kara Lynn Peterson
Beth Erin Zaleon

Edmister Family Fund
Lauren Paige Dombrowski
Nicholas Rockafellow

FMC Medical Officers Holiday Scholarship For Future Business Leaders
Dashiell Mace

Garrell-Tabor City Inc
Lauren Paige Dombrowski
Lauren Law Hamlett

General BSBA Scholarship
Abigail Barnhill
Zakary Brown
Brandon O'Neill Gilbert
Nicholas Gratto
Elizabeth Han
Bryan Harrison
An Le
Evan Lumbra
Daniel Maltsev
Alexa McClain
Sean McClung
Paige Owens
Sotires Pagiavlas
Erin Purdy
John Henry Riehl
Jianing Rong
Drew Schmitz
Hannah Christine Single
Jamie Rachel Strassman
Katherine Diana Wagaman
Taylor Walker
Zihan Wang
Andrew Wood

Global BSBA Scholarship
Alexander Talbot Almquist
Emma Grace Blackwell
Patrick Charles Cassidy
Lauren Law Hamlett
Maria Veronica Martinez
Katherine Diana Wagaman

Golden Corral BSBA Scholarship
Brooke Curtis
Jenniffer Ashley DeLong
Virginia Keaton Green
Taylor Anne Kenan
Rickell Jerri-Lee Reid
Carson Lawrence Smith
Stetson Martin Sullivan Starkey
David Valenstein
Kendall Anthony Wagner
Yaner Wei
Candice Ruoqi Zhou

Ewing Schleeter Harris BSBA Scholarship
Daniel Allen
Zachary Alexander
Jacob Baldwin
Jacob Conger
Cyara de Lannoy
Ulugbek Ergashev
Parth Gandhi
Daniel Giles
Joshua Glover
Amanda Gurkin
Jayson Hoyme
Rahul Lakhwani
Adriel Lubarsky
Joseph Lucido
Dashiell Mace
Zachary Maniloff
Sheev Patidar
Megan Salvia
Sabrina Saunders

Kenneth Bartlett Howard BSBA Scholarship
Alexander Talbot Almquist
Jayson Paul Metcalf Hoyme
Sebastian Posada
Jillian Grace Vicario

* *Chancellor's Award*

Kenneth Felton Howard Jr. Undergraduate Scholarship
Alexandra Maya Devine
Nora Nichelle Richmond
Jack Jeffrey Stutesman
Andrew James Veazey

The Bob and Mindy Jones Family Global Immersion Fund
Renwick Jarrett Atkins
Pamela Sue Brody
Carl Von Hoffmann Burnham
Emily Lois Gregoire
Connor Justin Haines
John Borden Schutts
Devin Nicole Simpson

Ernest Mayo Undergraduate Inc
Zachary Alexander
Alexander Bales
Jonathan Campbell
Patrick Cassidy
Christina A. Cheng
Jacob Conger
John Farmer
Parth Gandhi
Brianna Norris
Sheev Patidar
Michaela Rankins
Matthew Rothstein
Kush Mahesh Shah
Xuzhe Shen
David Su
Jeanie Zhao

James K. McLean Scholarship Fund
Michael Christian Bojanski
James Alexander Berrier
Jennifer Catherine Brown
Patrick Charles Cassidy
May Yojane Chang
Van Thanh Duong
Justin Gregory Foster
Scott Freudenthal
Alejandra Galindo
Nitin Goel
Kenneth Ross Hamilton
Kirsten Hoffman
Elizabeth Hayley Hunter
Sophie Rose Jacobson
Alexandra Rose Klein
Anna Jia Li
Lisa Li
Mengqi Li
Adriel Roni Lubarsky
Kristen Mangum
Fahim Nasim
Walid Nasim
Luke William Neenan
Alexander Poal Piasecki
Devon Rolison
Sarah Mai Spurr
Amanda Thompson
Olivia Vos
Taylor Walker
Ayumi Watanabe
Lukas Whitcomb
Michael Whitcomb
Kelcie Ann Wildeman
Frank Ke-Fan Wu
Violette Liang Zhu

The McMichael Family Study Abroad Scholarship
Jennifer Catherine Brown
May Yojane Chang
Van Thanh Duong
Justin Gregory Foster

Medlin Scholarship for Business and Liberal Arts
Alexander Beale
Maegan Becker
Morgan Blumberg
Eric Brandt
Andrew Carlin
Nisha Datta
Vincent DeSio Jr.
Leah Gonzalez
Lauren Hamlett
Sydney Jones
Andrew Kramer
Kristen Mangum
Trey Manning
Julie Moroney
Luke Neenan
Alexander Piasecki
Eric Powell
Tianshu Ren
Matthew Rothstein
Emily Ruffin
Amanda Stewart
Kaori Sueyoshi
Andrew Taylor
Daniel Wintermeier
Carly Wolberg
Andrew Wood
Frank Wu

David S. and Christine C. Moss Scholarship
Kyle Richardville

Thomas Hart Norwood Scholarship
Megan Salvia

Michael J. Peterson Scholarship
Stuart Allen Moody
Harrison Bard
Peyton Lyn Soernssen

The June and L. Gordon Pfefferkorn Jr. BSBA Study
Meghan Elizabeth Peddycord
Blake Forrest Schindler
Stephanie Watts

G. Martin Poole Study Abroad Endowment
Austin Lloyd Flynn
Stephanie Marie Michael
Sonia Shah

The Jason Ray BSBA Global Scholarship
Jonathan Tucker Cross
Elizabeth Leigh Hieronynus

BSBA Global Travel in Memory of T. Henry Redding
Trey William Manning
Benjamin Martinez
John Henry Riehl
Megan Elizabeth Schmelzle
Shyamal Sharad Swami

The March Floyd Riddle Family UNC Kenan-Flagler BSBA Scholarship Fund
Chidera Obi-Gwacham

The Barry Roberts International Fund
Jordan K. Archer
Jennifer Ching-Ning Chai
Matthew Ryan Hurley
Rachael Nicole Martin

Edmund B. Ross III BSBA Endowment
Samuel Albert
William Almquist
Samuel Arnie
Jacob Andrew Barach
Alexis Boyle
Anna Chapman
Russell Benjamin Davis
Andrea Gawkins
Andrew Guerrazzi
Nabil Lachgar
Ellen Katherine Lesser
An Li
Christopher Sean Madaffari
Jocelyn Meusel
Patrick Myers
Paige Nielsen
Neal Patel
Eric Daniel Powell
Abby Carolina Reimer
Benjamin Sawchak
Kendrick Jordan Sawyers
Zachary Schumacher
Soroush Shahbazi
John Bruton Stewart
William Russell Walton

E. Jackson Sapp Scholarship
Dylan B. Penner
Benjamin Hill Price

Bob and Teresa Scheppegrell BSBA Study Abroad Endowment
Courtney Clapper

Bob and Teresa Scheppegrell BSBA Study Abroad Expendable
Bailey Elizabeth Barger
John DeBlock
Jeremy England Hollenbeck

Frank and Shelayne Sutton BSBA Excellence Fund
Trevor Michael Cockerham
Laura Patricia Oddo
Kaori Sueyoshi
Angela Renee Zhou

James H. Toy Scholarship
Austin Flynn
Brenna Johnson
Kelly Murphy
Ryan Ramsey
Nora Richmond
Matthew Ruterbories

The Helen Craig Wardlaw Fund
Katherine Bernstein
Jennifer Brown
Christina Cheng
Nisha Datta
Sara Desberg
Chris Flesher
Rachel Greenberg
Elizabeth Hunter
Sydney Jones
Rachael Martin
Alexa McClain
Stephanie Michael
Chandralekha Ravichandran
Kelly Sweeney
Kaitlin Williams
Huihui Wu
Aimee Xu

The Edwina D. Woodbury Women in Business Endowment
Lauren Gil
Rashmitha Vasa

Frank Erwin Young Jr. and Mae T. Young Undergraduate Business Fund
Samuel Albert
Courtney Clapper
Karissa Evans
Kristen Mangum
Natanya Montgomery
Simon Porter
Sasha Seymore
Erin Smith
Kevin Van Asch

The School of Dentistry

Omicron Kappa Upsilon National Dental Honor Society 2014 Initiates
Karen Ziarnowski Carver
Elizabeth Kathleen Consky

Jeffrey William Duffy
Ross Harrison Fahey
Ashley Teresa Hill
Kristen Renee Labianca
Elizabeth Joy Rich
Molly Jordan Tesch
Rivkah Krevsky Kol

Sigma Phi Alpha National Dental Hygiene Honor Society 2014 Initiates
Melissa Stewart Clark
Brianna Taylor Crump
Jonathan Scott Faranda
Abigail Elizabeth Harward
Kerri Stewart Vorbeck

The School of Education

Gail Bunn Fellows
Meredith Pendry
Marie Buckner Shoe

Patrick and Janet Carlton Award for Dissertation Research in Educational Leadership
Kebbler McGhee Williams

Frank Comfort Scholarship
John C. Parker

Robert Wendell Eaves Scholarship
Julie Danielle Doran

Susan Friel Graduate Student Stipend for Mathematics Education
Stephanie Anne Wright

Galassi-Brown Award
Laura E. Walton
Barbie Garayua-Tudryn

Virginia Carter Goebbel Graduate Student Award
Ronald Spencer Hawkins
Gregory M. Randall

Ira J. and Esther Gordon Fellowship
Megan Lurae McVea

Graduate School One Year Merit Assistantship
Emily Lynn Freeman
Jeremy Trad Godwin
Ye Jin Song

Graduate School Five Year Merit Assistantship
Emily Karen Toutkoushian

Lynn Boyette Hutchinson Scholarship
Erica Roberson Phillips

Vinnie Ireland Fellowship
Susan H. Hedges

Willie Hall Kennedy Scholarship
Brittanie LaShea Howard

Carol and William Malloy Conference Travel Award
Charlotte Agger
Amanda Bean
Shelby Dawkins-Law
Leslie Carol Fox
Ariel R. Tichnor-Wagner
Stephanie Anne Wright

Michaela Reedy McIntosh Scholarship
Haniah Lerner

Alan Coningsby Moore Scholarship
Casey Elizabeth Holmes

Nancy Blanche Norman
Leigh Ann Alford

Carol Mathews Peeler Scholarship
Jordan Sherrill Stokes

W.D. Perry Outstanding Student in School Counseling
Maureen Lynn Shields Kurz

James B. and Susan H. Pittleman
Marisa L. Enrico

Susan Redd Scholarship
Leslie Hillman Welsh

Carole and Sam Roebuck Scholarship
Courtney Andrews Clapp

William Self Graduate Fellowship
Rebecca Carol Merrill

Dean E. Smith Scholarship
Danielle M. Moloney

Linnea Smith Innovations Fund Award
Devon McCarthy

Marvin Wyne Scholarship
Meredith Kelly Jones

The Graduate School

2014 Dean's Distinguished Dissertation Award
Laurel May Burk, *Physics and Astronomy*
Nora Doyle, *History*
Melissa McKeown Jenkins, *Psychology*
Elizabeth Anne Proctor, *Bioinformatics and Computational Biology*

GEAB Impact Awards for Graduate and Professional Students: Outstanding Research Benefiting the State of North Carolina
Maria Merced Aleman, *Pathology*
Nathaniel Perdigon Claridad, *Dramatic Art*
Kari Moore Debbink, *Microbiology and Immunology*
Paul A. Gilbert, *Health Behavior*
Rachel Kelley Gittman, *Environment and Ecology*
Lindsey Haynes Maslow, *Health Policy and Management*
Heather A. Hunt, *City and Regional Planning*
Anna Marta Jalowska, *Marine Sciences*
Cynthia Jean Lin, *Epidemiology*
Madisa Benea Macon, *Toxicology*
Jim Patrick Martin, *Dentistry*
Candyce Ann McClernan, *Dramatic Art*
Jennifer Marie Poti, *Nutrition*
Bradley David Proctor, *History*
Maria Agostina Santoro, *Cell and Molecular Physiology*
Julianne Denice Schmidt, *Human Movement Science*
Jing Shan, *Physics and Astronomy*
Paul Steven Sheeran, *Biomedical Engineering*
Jessica Kay Fitts Willoughby, *Journalism and Mass Communication*
Dominica Hiu Ching Wong, *Chemistry*

Graduate and Professional Student Federation Officers
President: Kiran Bhardwaj
Vice President for Internal Affairs: Julie Lauffenburger
Vice President for External Affairs: Xin Liu
Chief of Staff: Dylan Glatt
Treasurer: Autumn McClellan
Secretary: JoEllen McBride

The School of Information and Library Science

Susan Grey Akers Fellowship
Sandeep Avula
Ashley Brown
Samantha Crisp
Amanda Gramley
Alexander Harding
Lindsay Kavanagh
Amy Kemp
Ruth Link
Stacey Mantooth
Kristyn Saroff
Julie Seifert
Zachery Whitaker
Mengze Zhou

Archival Education Research Institute Doctoral Student Scholarship Travel Award to Los Angeles
Heather (Bowden) Ryan

Lester Asheim Service Award
Laura Sheble

Association of North Carolina Health and Science Libraries Continuing Education
John Mark Bojanski
Anna Sandelli

Bachelor of Science in Information Science Scholarship
Anagha Hanumante

Baker and Taylor Scholarship Summer Seminar to Egypt
Amanda MacDonald

Baker and Taylor Scholarship Summer Seminar to London
Peter Shirts

Beta Phi Mu Scholarship Award Epsilon Chapter
Erin Holmes
Jessica Streck Ortolano

Carolina Academic Library Associate (CALA)
Leslie Barnes
Barrye Brown
Morgan Elizabeth Jones
Amanda Macdonald
Erin Morris
Laura Pavlech
Anna Sandelli
Peter Shirts
Helen Thomas

* *Chancellor's Award*

Carolina Academic Library Associate (CALA) Travel Grant to attend the edUi Conference in Richmond, Va.
Anna Sandelli

Carolina Digital Curation Doctoral Fellowship (IMLS)
Heather (Bowden) Ryan

Elfreda Chatman Research Proposal Award
Erin Nell Morris

Fellowship for Library Work with Children and Young Adults
Tisha Springer Woo

Kathryn Miller Glass Summer Research Fellowship UNC–Chapel Hill
Heather (Bowden) Ryan

Michael Hooker Fellowship in Applied Networking
Fan Jiang

C. David Jackson Memorial SNCA Student Scholarship
Morgan Elizabeth Jones

Margaret Ellen Kalp Memorial Fellowship
Sandeep Avula
Leslie Barnes
Sarah Bost
Barrye Brown
Jennifer Coggins
Robert Correll
Carla Davis-Castro
Hannah Easley
Julia Feerrar
Ravi Shankar Ganti
Amanda Gooch
Andrea Green
Baily Griffith
Shumeng Gu
Erin Holmes
Morgan Jones
Barbara Kaplan
Christopher Kenrick
Sophia Lafferty-Hess
Gregory Lawson
Amanda Macdonald
Laura McPherson
Erin Morris
Lori Neumeier
Adrian Ogletree
Laura Pavlech
Jaleesa Powell
Anna Sandelli
Peter Shirts
Katherine Spruill
Jane Steele
Mrudula Sudarsanam
Helen Thomas
Katelynn Vale
Kate Weber
Jency Williams
Sarah Wolper

Medical Library Association Scholarship
Laura Pavlech

Mid Atlantic Chapter of the Medical Library Association (MAC-MLA) Student Vision Scholarship
John Mark Bojanski

Office of the National Coordinator for Health Information Technology
John Mark Bojanski

Research Assistantship National Science Foundation/Institute of Museum and Library Services
Heather (Bowden) Ryan

Rittenhouse Award
Laura Pavlech

Carl A. Ross Student Paper Award
Laura Cowden McPherson

Susan Rose Saunders Scholarship
Alaina Sajatovic

School of Information and Library Science Non-Service Fellowship
Madeeha Khan
Tisha Springer Woo

School of Information and Library Science Undergraduate Scholarship
Alaina Sajatovic

School of Information and Library Science Fellowship
Fan Jiang

UNC Student Education Fund Travel Grant
Amanda M. Gonzalez

Vanguard Women in Information Technology Scholarship
Anagha Hanumante

The School of Journalism and Mass Communication

AT&T Business Journalism Internship Award
Caitlin A. McCabe

John Robert Bittner Award to the Outstanding Senior in Electronic Communication
Landon Astor Dowdy

O.J. "Skipper" Coffin Award to the Outstanding Senior in News-Editorial Journalism
Chelsey Elizabeth Dulaney

Lois and H.C. Cranford Jr. Award to the Outstanding Senior in Public Relations
Amelia L. Nitz

Joy R. Gibson MATC Cohort Award
John Zhu

Edward Jackson International Scholarship
Wendy Lu

James J. Mullen Award to the Outstanding Senior in Advertising
Karly Elaine Brooks

Outstanding M.A. Graduate
Jacqueline Borrett

Outstanding MATC Graduate
John Zhu

Outstanding Ph.D. Graduate
Lisa Barnard

Stuart Sechriest Award to the Outstanding Senior in Visual Communication
Kevin Michael Uhrmacher

The Earl Wynn Creative Broadcasting Award
Madison Way

Kappa Tau Alpha Honor Society 2013-2014 Initiates
Sarah Stokes Adams
Kacie Lynne Albert
Rachel E. Allen
Alexis Balinski
Marian Frances Barrett
Briana Noel Beanland
Justine Myra Berger
Jennifer Leigh Bingham
Leslie Ann Blake
Dana Marie Blohm
Viviana T. Bonilla-Lopez
Melissa L. Borden
Michelle Brant
Karly E. Brooks
Catherine Moore Browning
Meredith Burns
Lauren K. Burton
Megan Renee Canjar
Chelsea Capps
Tyler Margaret Confoy
Meredith Cook
Desere' Simone Cross
Michael E. Dickson
Julia Jean Drabick
Chelsey E. Dulaney
Simone Duval
Casey Christine Fidler
Alexandra Kessler Fortune
Zachary Freshwater
Jessica Rachel Gaylord
Lauren Nicole Gennaro
Samantha Kelsey Halle
Meredith A. Hamrick
Mary Paige Hanson
Michael Thomas Hardison
Hannah Renee Harrison
Olivia Hart
Brittany Hobson
Danielle T. Jansen
Kaitlin Jansen
Melissa Lauren Key
Gabriella Kostrzewa Korst
Katherine Anne Krantz
Michael Joseph Lananna
Hannah Leah Lebowitz
Courtney Ann Lindstrand
Wendy Lu
Katie Ellen Marriner
Julie Elizabeth Mayo
Katharine Marie McAnarney
Caitlin Aileen McCabe
Morgan Leigh McCloy
Megan M. McCluskey
John Patrick McHenry
Claire Foley Mcneill
Ashley Lynn Miess
Casey Meredith Miller
Amelia L. Nitz
Caitlin Nicole Owens
Emily E. Palmer
Caroline Marshall Pate
Katherine A. Quine
Faima M. Ramirez Hirschauer
Jacqueline M. Reitz
Andrea Michelle Rivers
Ethan Joseph Robertson
Ana Rocha
Ariana Rodriguez-Gitler
Nancy Carol Sanseverino
Bailey Southerland Seitter
Sydney Rachel Slater
Ashton Lee Sommerville
Mary Irene Stevens
Charlotte Terese Taylor
Kevin Michael Uhrmacher
Maggie Valentine Umberger
Jonathan G. Unger
Ellen Werner
Austin Lee White
Dakota Halley Whitworth
Nicole Ashley Wilkinson
Sophia Evelyn Wolf
Laura Parrish Worcester

The School of Nursing

*The James M. Johnston Distinguished Senior Award in the Nursing Program**
RuthAnne McLendon

*George Livas Award**
Erin C. Richardson

Sigma Theta Tau International, Honor Society of Nursing, Alpha Alpha Chapter

2013–2014 Initiates (MSN, DNP, and PhD)
Jinbing Bai
Amber Williams Banta
Johanna Wayland Blue
Erin Ashley Flitt
Joshua Lee Freeman
Leah Kyle Gold
David Lowell Jennings
Raeanne Tatem Johnson
Jumi Lee
Daria D. Lewis
Celine Siewe Marquez
Monica Jean Nelson
Tyffany M. Nyland
DeAnna H. Patterson
Meagan W. Puckett
Christeanna Winslow Richardson
Micaela Claire Riddle
Catherine Hansen Rossi
Lauren Elizabeth Russell
Kathleen Marie Saas
Gretchen Mann Sanders
Kelly L. Stout
Sarit Vaserman
Tiffany Maryl Young

2013–2014 Initiates (BSN)
Carolyn Ann Abler
Kristen N. Adams
Taylor Ambrose
Emma Bailey
Kristen A. Bailiff
Diana Christine Beaver
Ashlyn M. Berry
Laura E. Britton
Amber Nicole Burnette
Regina Marie Burns
Jane Gordon Calthrop
Leigh Allison Campbell
Nancy Colleen Cannon
Amy Beeston Carson
Ethan Collin Cicero
Elizabeth Coble
Martha Grace Cromeens
Elizabeth Danchi
Emily Elizabeth Danforth
Allan Marcos Faircloth
Megan Elizabeth Fitchett
Nicole Frelier
Frances Winn Friddell
Kelli Gaskill
Elizabeth Anne Goss
Arthur John Gribensk
John Hamilton Haddock
Kristen Lea Hancock
Ryan Hanlin
Lauren Nicole Hasspacher
Zoe Marguerite Hayes
Mallory Heyse
Heather Elizabeth Hill
Catherine Ann Hood
Kasey Brianne Huffman
Megan Rebecca Hutcheson
Taylor Matthew Ivester
Mckenzie R. Jenkins
Devin Clay Johnson
Jennifer Masae Jones
Kelsey Miranda Keller
Kelly Elizabeth Kennedy
Mallory Catherine Kernick
Brian A. Kistner
Caroline Marie Kraft
John Jeffrey Lakas
Nguyen Hai Van Martina Le
Krista Ann Lee
Susan Jin Lee
Erin LePage
Gayle Levinson
Kelby Brooke Lomax
Jacqueline Elizabeth Lyon
Maria Noelle Magdalena Marshall
Quinna Wynn Marshburn
Jennifer Martin
Nicole M. Mason
Andrew Jackson May
Ruth-Anne McLendon
Kristin L. McClain
Kelly Elizabeth McCoy
Erin K. McGrath
Alyssa M. Mackenzie
Abigail S. Michenfelder
Katherine Elizabeth Moore
Rachel B. Nash
Olaide Oluwatomi Ojeniyi
Meredith Ashley Oldham
Kelly O. Onyenwoke
Natalie Oshita
Alyssa Ostrander
Annie Marie Hoffman Oumarou
John Raymond Owens
Leanna Dawn Phifer
Anna Nicole Perez
Jose Lisandro Hernandez Perez
Galina Aleksandrovna Podolyak
Josephine Blaire Purbrick
Matthew Quick
Casey E. Reed
Sarah Emily Rich
Meredith Robbins
Melissa Katherine Robinson
Suzanne Elizabeth Roy
Kristin Hackett Royal
Nabila Siraj Rattani
Erin C. Richardson
Hannah Roy
Jessica Salam
Ara Laura Sappenfield
Chelsea Kaitlin Schwartz
Micah Seifert
Casey Smith
Jaime M. Stanton
Sally Kathryn Strain
Steven Patrick Sump
Leonora Cousar Tisdale
Ian Phillip Urbaitis
Ashley Cook Vaughan
Carra Lee Wainwright
Dorothy Louise Walker
Mary C. Weiner
Laura Katherine Wert
Brittany Lynn White
Sarah Elizabeth Winstead
Ashley Rose Worrow
Sherry Leigh Young
Deborah Zimmerman

The Eshelman School of Pharmacy

Ballenger-Smith Award for Excellence in the Pharmaceutical Care Laboratory
Bryan J. Gendron

F.O. Bowman Award
Erin Damery

T.R. Burgiss Family Award
Deanna Wung

Kristen Carol Burke Memorial Award
Emily Kathryn Monds

Samuel Burrus Award for Community Service
Emily Dare Peedin

*George H. Cocolas Pharmacy Student Body Award**
Joseph Moore

Boka Hadzija Student Excellence Award
Katie Traylor

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Shawn Patrick Griffin

John C. Hood Sr. Award in Practice Advancement and Clinical Education
Sarah Jane Cox

Buxton Williams Hunter Award
Whitney Lee Davis

Jacobs Award in Medicinal Chemistry
Nicholas Bradford Watts

Kappa Epsilon Award
Kristina Blanquiz

Molecular Pharmaceutics Achievement Award
Kayla Huneycutt Morgan

Office of Professional Education Academic Excellence Award
Anna Weaver Graham
Lauren Elizabeth Kane

Pharmacotherapy and Experimental Therapeutics Award
Brittany Michelle Loy

Phi Lambda Sigma Leadership Award
Erin Turingan

Phi Lambda Sigma Pharmacy Leadership Society Class of 2014
Justin Arnall
Jamie Basham
Ashley Campbell
Jody Church
Whitney Davis
Brian Decker
Jesse Fletcher
Brianna Glynn
Todd Knepper
Anne Kome
Laura Long
Laura Meleis
Emily Peedin
Allison Presnell
Katie Traylor
Michael Wolcott
Jacqueline Zeeman

Rho Chi National Honor Society Class of 2014
Michelle Adams
Benjamin Ahlers
Oyshik Banerjee
Samantha Bochenek
Bryan Casciere
Jon Collins
Sarah Cox
Whitney Davis
Logan Dawson
Brianna Glynn
Jessica Greene
Jenelle Hall
Lauren Hamm
Kayla Huneycutt
Peter Hur
Lauren Kane
Jay Kim
Ming Li
Laura Long

* *Chancellor's Award*

Brittany Loy
James Mangum
Joseph Moore
Hanna Park
Emily Peedin
Miriam Pulsipher
Danielle Schlafer
Brant Segura
Katie Traylor
Robin Trew
Nicholas Watts
Anna Weaver Graham
Michael Wolcott

Ralph P. Rogers Sr. Award
Anna Y. Armstrong

The Dorothy Virginia Stroud Memorial Award
Jordan M. Carrera

The Gillings School of Global Public Health

Alumni Association Endowed Scholarship
Emily Nicholson, PHLP

Annual Fund Scholarship
Nosipho Beufort, PHLP
Nicole Butera, BIOS
May Chen, HB
Hallie Ericson, PHLP
David Holcomb, ENVR
Nicole Ippoliti, MCH
Mohammed Jalloh, HPM
Poulami Maitra, BIOS
Naomi Sadighi, MCH
Alberto Vargas, NUTR

Allison Lynn Dauer Scholarship
Phuonggiang Nguyen, HPM
Micha'le Simmons, HPM

Class of 2013 Annual Scholarship
Reuben Adatorwovor, BIOS
Lakshmi Gopalakrishnan, MCH
Jasmine Hutchinson, HPM
Eli Lovell, NUTR
Zinaida Mahmutefendic, PHLP
Alycia Overbo, ENVR
Shabbar Ismalibhai Ranapurwala, EPID
Kathryn Stein, HB

Miriam L. Cole Scholarship Fund
Susannah Zeitz, MCH

Delta Omega, Theta Chapter
Kiri Bagley, PHLP
Meredith Berry, HPM
Sarah Bradford, MCH
Jennifer Casanova, ENVR
Elizabeth Chen, HB
Mardel Chinburg, PHLP
Sarah Cooper, HB
Jennifer Counts, HB
Evan Andrew Couzo, ENVR
Donna Crenshaw, HPM
Olivia Mao-Tian Dong, NUTR
Spencer Dorn, HPM
Lydia Brill Feinstein, EPID
Esther Giezendanner, NUTR
Kelli Greene, PHLP
Allison Groves, HB
Heidi Harkins, PHLP
Emanuel Hignutt Jr., PHLP
Jasmine Hutchinson, HPM
Roger Emron Jerry, ENVR
Jill Elizabeth Johnston, ENVR
Vikram Joshi, HPM
Barbara Hocevar Kalkas, PHLP
Zachary Yukio Kerr, EPID
Mona Kilany, HPM
Pamela Lail, HPM
Daniel McMillan, PHLP
John Justin Milner, NUTR
Virginia Moye, PHLP
Sarah Mye, HB
Jennifer Neumann, PHLP
Phuonggiang Nguyen, HPM
Alycia Karoline Overbo, ENVR
Mehul Patel, EPID
Alice Pollard, MCH
Elizabeth Regan, MCH
Shyanika Rose, HB
Molly Sears Rosenberg, EPID
Heidi Marie Soeters, EPID
Sarah Elizabeth Stickley, NUTR
Kelly Strutz, MCH
Qiang Sun, BIOS
Leigh Tally, MCH
Christa Vardaro, HPM
Yamini Virkud, BIOS
Mollie Williams, HPM
Kathleen Wood, HPM
Jing Zhou, BIOS
Xuan Zhou, BIOS
Rouqing Zhu, BIOS

Delta Omega Academic Excellence
Jamie Carter, PHLP
Lin-Yin Chang, HB
Samantha Charm, MCH
Flattery William II, PHLP
Jennifer Ann Herbert, NUTR
Ai Ni, BIOS
Eric Ransom, HPM
Andrew James Shapiro, ENVR
Meagan Fluet Vaughn, EPID

Delta Omega Recognition of Service Award
Kristin Black, MCH
Emily Butler, BIOS
Elizabeth Louise Davies, NUTR
Alexis Dennis, HB
Sarah Lahidji, HPM
Maya Lakshmi Nadimpalli, ENVR
Shabbar Ismalibhai Ranapurwala, EPID
Nancy Wang, PHLP

Delta Omega Undergraduate Recognition Award
Kevin Chu, ENVR
Jessica Liang, BIOS
Matthew Hamilton Meyers, NUTR
Sheila Patel, HPM

Gillings Dissertation Award
Ya-Ru Li, ENVR
Carmen Piernas Sanchez, NUTR

Gillings Merit Award
Nicole Bailey, ENVR
Caroline Carnevale, HPM
May Chen, HB
Avner Halevy, BIOS
Lorenzo Hopper, MCH
Cristina Leos, HB
Yemeng Lu, PHLP
Kathryn McKenney, PHLP
Julian Oliver, ENVR
Vishal Rao, PHLP
Alberto Vargas, NUTR
Brittany White, PHLP
Lei Zhou, HPM

Graduate Education Advancement Board Impact Award
Lindsey Haynes Maslow, HPM

Robert and Kristen Greczyn Scholarship in Public Health
Yemeng Lu, PHLP

Greenberg Award for Excellence in Doctoral Research
Catheryne Clouse, EPID
Yingqi Zhao, BIOS

Harry A. Guess Scholarship
Sarah Stickley, NUTR
Katherine Marie Tumlinson, EPID

Ibrahim Fellowship
Elyse Powell, NUTR

Donald and Jennifer Holzworth Merit Scholarship
Ayodeji Sansui, MCH

B. Erik and Mabel S. Johansson Endowment Fund
Anna Bozovich, MCH
Bianka Reese, MCH
Liyang Zhao Hayworth, NUTR

Jamie Kimble Scholarship for Courage
Cara Person, HB

Gary G. and Carolyn J. Koch Merit Scholarship in Public Health Award
Elena Rivera, HB

Naomi R. Koehler Endowment for Professional Development in Nutrition and Women's Health
Loneke Blackman, NUTR

Jean T. Lassiter Scholarship
Shelley Hoekstra, MCH

Fred and Pearle McCall Scholarship
Amy Korbe, MCH
Zinaida Mahmutefendic, PHLP

Foster G. McGaw Graduate Student Scholarship
Corrie Brisson, HPM

Anne Cynthia Price Endowed Fund for Student Travel
Maura Allaire, ENVR
Rushina Cholera, EPID
Christina Hawley, HPM
LaShonya McNeil, PHLP
Kashika Sahay, MCH

Elizabeth Reaves Martin Moore Scholarship
Rushina Cholera, EPID
Katherine Kline, NUTR

Dr. Jesse Satia Scholarship
Leslie deRosset, MCH
Rose Feinberg, MCH

Smith Travel Award
Jennet Arcara, MCH

Dr. Curtis Glenn Southard Award
Laura Braswell, HB

University Cancer Research Fund
Kristin Black, MCH
Elizabeth Christenson, ENVR
Lisa DiMartino, HPM
Daniel Luckett, BIOS
Daniel Mackey, PHLP
Samuel Masters, HPM
Cody Neshteruk, NUTR
Daniel Ng, PHLP
Laura Pinheiro, HPM
Emily Zevon, HB

Robert Verhalen Endowed Scholarship in Injury Prevention/Trauma Management
Shabbar Ismalibhai Ranapurwala, EPID

White and Wagner Award
Amber Kernodle, PHLP

Sandra Winn Green Scholarship
Meagan Fluet Vaughn, EPID

Derek and Louise Winstanly Scholarship
Sarah Lowe, NUTR
Virginia Senkomago, EPID

Susanne Moulton and Thomas Wong Endowed Scholarship Fund in Public Health
Linda Hong, HPM

The School of Social Work

Alumni Development Award
Crystal M. Barnes
Kathryn Victoria Kevin

Melvarene J. Howard Adair Scholarship
Karon Falaq Johnson
Travis Thompson Wireback

Jane Hall and William Johnston Armfield Scholarship
Kayla Mishay Humphrey
Crystal Kim Randles

Annie Kizer Bost Award
Ronald Duringo Hunt

Amy Louise Brannock, MSW Memorial Scholarship Fund
Lauren Taylor Brookshire

Chaney-Jacobs-Preyer Award
Michelle Rene Osborne

Brett Chavis Memorial Scholarship
Marie Catherine Funk

Robert and Peggy Culbertson Scholarship
Elyse Breland Hamilton

William E. and Catherine M. Cummins Award for Outstanding School Social Work Practice
Emily Kate McClimon

Martha Sherrill Dunn Scholarship
Brittany Hunt

Bertie Oscar Edwards Scholarship
Shannon Elise Spillane

Joanna Finkelstein Gorham Scholarship
Sara Caitlin Bearden
Olivia Anne Brown
Jasmine Harris
Jillian Elaine Harris
Brendan T. Rice
Lindsay Elizabeth Royek

Kirsten E. Hewitt Scholarship
Caroline Paige Oxford

Alan Keith-Lucas Scholarship
Christine Engle Alvarado
Tyler Matthew Giese

Jeffrey Langston Scholarship
Denea Monique Sellers

James and Connie Maynard Scholarship
Jamie Lynn Alongi
Oprah Cherelle Keyes

Robert Ernest McClernon Memorial Fund
Kathryn Falbo-Woodson
Brittany Stowe Little
Shenita Paulette Mangum

Meehan Scholarship
Chelsea Dynea Kolander

Betsy Rogers Millar Scholarship
Ross Marshall Cole
Candice Noel Locklear
Erin Page Magee

Hugh MacRae Morton Jr. Memorial Scholarship
Sonya Sergeyevna Deulina

Jane Curtis Parker Award
Dolores Chandler
Jennifer K. Wilburn
Sarah Wood

Joan Phillips-Trimmer Scholarship
Barbara Ray Harviala Rodriguez

Ellen E. Power Scholarship
Monica Rose Ferenz

Kenneth C. Royall Jr. Scholarship
Anne Mabry Peacock

Janice Hough Schopler Scholarship
Emily Ruth Abernathy
Kimberly Autumn Bowers
Nicollette Elizabeth Connelly
Joanna Glee Fullmer
Darlene Shovelle Lewis
Yalitza Akua Ramos
Madeline Julianna Serpa
Caroline Elizabeth Stayer
Heather Ann Todd
Hong Zhou

Social Justice Fund Scholarship
Kennetra Keyana Louise Irby

Florence Soltys Memorial Scholarship
Dean Allen Fox

Springle Memorial Scholarship
Christina Melissa Bullins

Linda M. Summer Scholarship
Courtney Anne Pope

Leah Tannenbaum Scholarship
Jennifer Mae Gadd
Tomeko Michelle Moore
Heidi Dale Woodgeard
Denea Monique Sellers

Kristen Marie TenHarmsel Anderson Scholarship
Sara Elizabeth Harwood

Smith P. Theimann Scholarship
Caroline Reece Phillips
Nadia Sue Rayyan

Walsh-Cioffi Award
Nicole Breanne Felkel
Jamie Persons
Derrell Rashad Pettiway
Quinton LaKeith Smith

Ellen Black Winston Scholarship
Deborah Lynn Hughes

Carolina Center for Public Service – Community Engagement Fellowship
Katie Lyn Cotter

2013 Council on Social Work Education Travel Award, UNC-Chapel Hill, School of Social Work
Christina Elyse Horsford

The Gerontological Society of America (GSA) / Association for Gerontology in Social Work (AGE SW) Pre-dissertation Initiative Conference Travel Award
Christina Elyse Horsford

Heath Webb Doctoral Research Award
Tonya Bloomer VanDeinse

Victor Marshall Travel Award through Institute on Aging
Jane (Jaime) Moore Hughes

North Carolina Center of Excellence in Youth Violence Prevention (NC-ACE) Pre-doctoral Fellowship
Caroline Robertson Evans
Katie Lyn Cotter

2013 Society for Social Work and Research Conference Travel Award, UNC-Chapel Hill, School of Social Work
Christina Elyse Horsford

Armfield Reeves Innovation Fund Award
Sarah Dababnah

Sam and Betsy Reeves Doctoral Fellowship
William James Hall III
Christina Elyse Horsford
Jane (Jaime) Moore Hughes
Candace Killian Farrell
Wen (Vivien) Li
Brianna Lombardi
Rainier De Vera Masa
Jenna Nicole Tucker
Charity Sneed Watkins
Christopher John Wretman
Shiyou Wu

John B. Turner Dissertation Award
Kate Melissa Wegmann

UNC Graduate School Dissertation Fellowship
Sarah Dababnah

DEPARTMENT OF AEROSPACE STUDIES

*Kenneth C. Royall Award**
Dylan Hunter

DEPARTMENT OF ALLIED HEALTH SCIENCES

The June C. Allcott Fellowship
Martha Kathleen Carrick

Louis and Eleanor Duquette Human Movement Science Annual Scholarship
Elizabeth Eve Hibberd

Thorpe/Mitchell Diversity Leadership Development Awards
Lúcia Lopez Fischer
Alexis Ann Williams

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowships
Sarah Elizabeth Cohen
Deidra Ellen Debnam
Anna Rebecca Koritz
Melissa U. Lang
Susan Mason

* *Chancellor's Award*

UNC Hospitals Volunteer Association's Community Service Fellowship
Sarah Svetkey van der Horst

DEPARTMENT OF AMERICAN STUDIES

*Peter C. Baxter Memorial Prize in American Studies**
Sarah Barger
Alex Gottschalk

DEPARTMENT OF ART

The Anderson Undergraduate Studio Art Award
Joseph Richard Amodei
Martha Jane Glenn

*The Alexander Julian Prize**
Rachel E. Johnson

The George Kachergis Memorial Scholarship
Diego C. Camposeco
Sarah Elizabeth Cioffoletti
Anthony Noel Hamilton
Brittany N. Lademann
John Taj Neville
Amelia Anne Parlier

Beatrice B. Pearman Undergraduate Research Award in Art
Amanda Sue Paige

The Penland School of Crafts Scholarship
Diego C. Camposeco
Joseph Gray Swartzel

Sculpture Garden Design Award
Olivia Leigh Branscum
Anthony Noel Hamilton
Rachel E. Johnson
John Taj Neville
Alice Elizabeth Powell
John S. "Jack" Twiddy

The Jonathan E. Sharpe Scholarship
Emma Grace Badia
Olivia Leigh Branscum
Diego C. Camposeco
Sarah Elizabeth Cioffoletti
Ashley Shana Conrad
Anthony Noel Hamilton

Kimberly Lynn Karr
Alice Elizabeth Powell

*The Undergraduate Prize in Art History**
Gwendolyn Marcella Gaylord

DEPARTMENT OF BIOLOGY

The Robert Coker Award
Aidan Berry

The John Couch Award
Cameron Wood

*The I.R. Hagadorn Award**
Julia Danielle Elizabeth Whitley

The Francis LeClair Award
Susan Deans

DEPARTMENT OF BIOMEDICAL ENGINEERING

Flexcell Award
Zoe Jewell Wolszon

Lock Award
Vaibhav Hans

Lucas Scholar Award
Robert Martin Hinson

DEPARTMENT OF BIOSTATISTICS

Kupper Dissertation Award
Soyoung Kim

Barry H. Margolin Dissertation Award
Naim Rashid

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Alexander Edward Karsten

The Epps Prize in Greek Studies
Erika Lynn Weiberg

The Herington Prize in Greek
Andrew Haynes Fulghum Cabaniss

The Herington Prize in Latin
Emily Elizabeth Fleming

The Herington Scholarship
David Ransom Ortiz

The Nims Scholarship
Andrew Haynes Fulghum Cabaniss
Nicole Grace Curtis
Julia Louise Juhasz
Amanda Marie Kubic

*The Albert Suskin Prize in Latin**
Kristina Wendi Cheung

DIVISION OF CLINICAL LABORATORY SCIENCE

Jesse C. Alphin Clinical Laboratory Annual Scholarship
Duy Hoang Minh Ngo

Allene W. Alphin Clinical Laboratory Scholarship
Lauren Elizabeth Wallrichs

Molecular Diagnostic Science Corporate Partner Program Scholarships
Canhong Cao
Ryan Thomas Evans
Natasha Lopes Fischer

Outstanding Senior in the Division of Clinical Laboratory Science
Rebecca Caitlin Sawyer

RPLA Clinical Laboratory Science Annual Scholarship
Sarah Elizabeth Underwood

Susan Lanning-Taylor Loyalty Fund Annual Scholarship
Carla E. Molestina

WakeMed Health and Hospitals Clinical Laboratory Science Annual Scholarship
Rachel Laura McDowell

Louise M. Ward Scholarships
Troy Minh Dang
Rebecca Caitlin Sawyer
Amy Zhan

DEPARTMENT OF COMPUTER SCIENCE

2013-2014 Computer Science Alumni Fellowship
Jason Carter

2013-2014 Charles H. Dunham Scholarship
Cenk Baykal

2013-2014 Stephen F. Weiss Award for Outstanding Achievement in Computer Science
Willam N. Wyndham

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Katherine K. Chelena
Kevin Michael Spellman

The Lillian Chason Scholarship
Emma Gwynneth Gutt

The Laura Jewell Dobbins Graduate Fellowship
Benjamin Kyle Amick
Beckett Michael Finn

The Ruth and Wes Egan Award
Kate St. John

Joseph D. Feldman Award
Julia Warren
Jerrold Mente Zuraw

Virginia and George Ferguson Award in Honor of David Hammond
Laura Pates

The Andy and Cindi Griffith Scholarship
Alison Blair Evarts
Isabelle Arden Francke
Madison M. Scott
Kevin Michael Spellman
Cary Simpson

Frederick M. Koch Memorial Scholarship
Denise Ann Dietrich
Katherine Wallace Keener

The Louise Lamont Award
Beckett Michael Finn

The Virgil and Marion Lee Fellowship
Jackson Causey Bloom
Abigail Iris Coryell
Mary Stewart Evans
Anne Margaret Keller
Meredith B. Kimple
Duri Long
Mary K. Mccabe
Camille Mae Oswald
Megan Elise Rutherford
Danielle Erica Schaefer
Alexandria Lauren ter Avest

Ella Mae Daniel and Robert H. Proctor Award
Kevin Joseph Oleksy

The Irene Smart Rains Dramatic Art Award
Colleen Dobson

The Phyllis Rice Ryan Award
Nathaniel Perdigon Claridad

Samuel Selden Memorial Award
Carey Leigh Cox
Caroline Brittany Strange
Arielle Elisa Yoder

Samuel Selden Playwriting Award
Ben Boecker

DEPARTMENT OF ECONOMICS

*Undergraduate Prize in Economics**
Chenxi Yu

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Laurence G. Avery Award
James Benjamin Bolling
Adrian L. Greene
Kristen E. Lacefield
Paul Joseph Stapleton

Robert Bain Award in 19th-Century American and Southern Literature
Benjamin J. Doty

Doris Betts Award
Stephanie Adair Rispoli

Suzanne Bolch Literary Award
Emma Carson DeWitt
Neha Verma

Ann Williams Burrus Award
Joshua Sassoon Orol

Werner P. Friederich, Best Undergraduate Essay in Comparative Literature (Literary Traditions)
Elizabeth Janette Morris (2013)

James R. Gaskin Award
Clifford Emery Clark (2013)

Graduate Essay Prize in Comparative Literature
Benjamin Clay Mangrum (2013)

Earl Hartsell Award
Doreen Thierauf (2013)

C. Hugh Holman Fellow
Elissa Mara Zellinger

*Robert B. House Memorial Prize in Poetry**
Alexander Edward Karsten

William Dougald MacMillan III Award
Angela Marie Calcaterra

Ruth Rose Richardson Fellow
Patricia Michele Robinson

Robert Ruark Award in Creative Non-Fiction
First place - Robert Oren Eades
Second place - Molly Lynn McConnell

Louise D. Rubin Jr. Prize in Creative Writing
Holli Elise McClean

Bland Simpson Prize in Creative Writing
First place - Lenzie Purcell
Second place - John Cruickshank

Max Steele Prize in Fiction
Mary Clare Mazzocchi

Fred and Joan Thompson Award
Rebecca Lisa Nesvet

Linda Wagner-Martin Award in 20th-Century Literature
Harry Osborne Thomas Jr.

James Lawrence Whitfield Prize in English
April Heather Pullium (2013)

Undergraduate Essay Prize in Comparative Literature
Timothy Miller Dement (2013)

Almonte Howell-Robert Voitle Fellow
Katherine Shrieves

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

Bunker Award
James B. McCann

ESE Achievement Award
Kyle S. Onda

DEPARTMENT OF EPIDEMIOLOGY

Nancy L. Dreyer Scholarship
Margaret Kumiko Dewitt Smith

Sidney Kark Award for Distinguished Teaching Assistant
Alexander Paul Keil

Tellus Foundation Scholarship
Virginia Senkomago

H. A. Tyroler Endowed Scholarship in Epidemiology
Alexander Paul Keil
Meagan Fluet Vaughn

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*Patrick F. Earey Award **
Michelle Mariko Ikoma

Sport Club Council Achievement Award
Taylor Channing Mays

CURRICULUM IN GENETICS AND MOLECULAR BIOLOGY

Curriculum in Genetics and Molecular Biology Dissertation Award
Marta Charpentier
Laura Tollini

DEPARTMENT OF GEOLOGICAL SCIENCES

UNC Dissertation Completion Fellowship
Laura Neser

DEPARTMENT OF GEOGRAPHY

The McNally Award for Excellence in Geography
Ashley N. Owenby

DEPARTMENT OF HEALTH BEHAVIOR

Barnhill-Hatch Fellowship Award
Sarah Downs

Kathryn J. Kerr Memorial Scholarship Award
Kathryn Stein

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

AUPHA/McGaw Master's Scholar
Corrie Brisson

AUPHA/McGaw Undergraduate Scholar
Kelly McFarlane

Clive Boxhill Jr. Scholarship in Health Policy
Jasmine Hutchinson

The Deniese May Chaney Fellowship
Deborah Paone

Margaret Dardess and T.E. Smith Scholarship
Jorge Villanueva Medina

James P. Dixon Award for Excellence in Education
Rachel Holtzman

Sandra B. Greene Scholarship in Health Leadership
Stephanie Watson-Grant

Jacob Koomen Public Health Practice Award
Alicia Stokes
Mollie Williams

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student
Saleema Karim

Benjamin Rodin Scholarship
Spencer Brady

Gerald D. Studer Undergraduate Student Award
Madison Colcord

Mary Thompson Award for Outstanding Achievement
Amira Welch

Jean G. Yates Outstanding Doctoral Student Award
Sara Jacobs

Jean G. Yates Public Health Policy Award
Katherine Millbank
Samantha Smith

CAROLINA CENTER FOR JEWISH STUDIES

Carolina Center for Jewish Studies Undergraduate Research Award
Austin Glock Andrews
Shannon Brien
Lauren R. Garrett
Wilson Greene
Hannah Nemer

Elsie Kaplan "Mother" Shapiro ZBT Undergraduate Research and Travel Grant
David Culclasure

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
Natalie C. Feingold

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Earl and Gladys Siegel Student Support Fund
Keri Barnett-Howell

Katherine Ann Wildman Memorial Scholarship
Micaela Arthur

* *Chancellor's Award*

DEPARTMENT OF MARINE SCIENCES

Dissertation Completion Fellowships
Anna M Jalowska
Lisa Nigro
Tingting Yang

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Shreyas Samir Tikare

*Archibald Henderson Mathematics Medal**
Marshall Ward Lochbaum

2014 J. Burton Linker Award
Bevin Laurel Maultsby
Benjamin Noah Wilson

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

GEAB Impact Award for Graduate and Professional Students: Outstanding Research Benefiting the State of North Carolina
Kari M. Debbink

The Graduate School Dissertation Completion Fellowship
Kari M. Debbink

G. Philip Manire Graduate Student Excellence in Research Award
Martha Clark – *2014*
Kari M. Debbink – *2013*
Adamberage Ruklanthi de Alwis – *2013*

DEPARTMENT OF MILITARY SCIENCE

*George C. Marshall Award**
Samuel G. Pulliam

DEPARTMENT OF MUSIC

David Arons Award for Excellence in Musical Performance
John C. Parker

Carolina Choir Award
Michelle Fronzaglia

Chamber Singers Award
Anna Grace FitzGerald

William R. Kenan Jr. Music Scholars
Hannah C. Brown
Daniel Louis Jones
John C. Parker
Emily Siar

Danielle Elizabeth Liotta Award
Jacob Davis Rhyne

Major Y Award
Gregory Bryant Strader

Music Department Award for Academic Excellence
John C. Parker

National Association of Teachers of Singing North Carolina Classical Auditions
Maria Palombo, First Place
Tyler Forrest Simmons, Regionals Qualifier

National Association of Teachers of Singing Mid-Atlantic Auditions
Kaswanna M. Kanyinda, First Place Classical
Maria Kristen Palombo, First Place Musical Theater, Second Place Classical Singing
Tyler Forrest Simmons, First Place Musical Theater

National Association of Teachers of Singing North Carolina Musical Theater Auditions
Kaswanna M. Kanyinda, Regionals Qualifier
Maria Kristen Palombo, First Place Classical Singing
Maria Kristen Palombo, First Place Musical Theater
Allison W. Thomas, Regionals Qualifier
Amelia Ward, Regionals Qualifier

*The Earl Slocum Band Award**
Rebecca E. Clemens

Benjamin Swalin Orchestra Award
Vincent Lynn Povázsay

UNC Band Directors Award
Maitlyn Avery Betts
Deondre Junelle Major Lester

UNC Band Drum Majors
Brittany Danielle Barnette
Deondre Junelle Major Lester
Courtney Lynne Tesh
Nicole Kiran Werner

UNC Jazz Studies Award
Brian Braytenbah

UNC Opera Award
Allison W. Thomas

Executive Business Director of UNC Pauper Players
Maria Kristin Palombo

UNC Sigma Alpha Lambda National Leadership and Honors Organization
Maria Kristen Palombo

UNC Symphony Orchestra Concerto Competition Winner
Kaswanna M. Kanyinda

DEPARTMENT OF NAVAL SCIENCE/NROTC

American Legion Military Excellence Medal
Esther Lee Kangas

Chief of Naval Operations Distinguished Graduate Award
Julian DePriest Moten

The Commander Mills Award
Julian DePriest Moten

Patrick Connor Award
Kevin Michael Bell

*The Josephus Daniels Scholarship Medal**
Leslie Paige Nelson

Daughters of the American Revolution Medal
Leslie Paige Nelson

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Leslie Paige Nelson

DEPARTMENT OF NUTRITION

Academy of Nutrition and Dietetics Foundation's Jessie C. Obert Scholarship
Esther Giezendanner

Academy of Nutrition and Dietetics Foundation's Patsyjane O'Malley Memorial Scholarship
Leanne Kaye

Academy of Nutrition and Dietetics Foundation's Janette Smith Memorial Scholarship
Sarah Elizabeth Stickley

A. Hughes Bryan Outstanding Doctoral Award in Nutrition
John Justin Milner

The Carolina Centre W. Holmberg Merit Scholarship
Gwen Yung-Hsin Hwarng

Joseph Edozien Outstanding Undergraduate Award in Nutrition
Matthew Hamilton Meyers
Rick Daniel Vavolizza

MaryAnn C. Farthing MPH Scholarship Award in Nutrition
Kristina Mikhail Alnajjar
Elizabeth Louise Davies
Olivia Mao-Tian Dong
Alison Huddleston Frazzini
Sarah Elizabeth Stickley

Honors Undergraduate Research Award: Tom and Elizabeth Long
Jillian Danielle Griffith
Megan Kinyu Huang
Gwen Yung-Hsin Hwarng
Rebecca S. Lane
Kelsey Pan
Megan Fisher Pera

McNeil Nutritionals Predoctoral Fellowship
John Justin Milner

Summer Undergraduate Research Fellowship (SURF)
Megan Kinyu Huang

Laurel E. Zaks Global P.H. Nutrition MPH Scholarship
Lauren Ashley Brooks

DIVISION OF OCCUPATIONAL SCIENCE AND OCCUPATIONAL THERAPY

Carolinas Healthcare System/ Carolinas Rehabilitation Occupational Therapy Annual Scholarship
Logan Robert Mathews

Increasing Diversity in Occupational Science and Occupational Therapy Scholarship
Christine Bagnall

Marlys Mitchell Scholarship
Shannon Carey

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

Graduate Education Advancement Board Impact Award
Maria Merced Aleman

Trainee Choice Award, Pathology and Laboratory Medicine
Maria Merced Aleman

Sabin Travel Award, McAllister Heart Institute
Maria Merced Aleman
Kaitlin Christine Lenhart

DEPARTMENT OF PHILOSOPHY

*The Worth Award**
Thomas Alexander Pendlebury

DEPARTMENT OF PHYSICS AND ASTRONOMY

Daniel C. Johnson Memorial Outstanding Junior Award in Physics
Ryan Petersburg
Cora Margaret Went

*Paul E. Shearin Outstanding Senior Award in Physics**
Ari Benjamin Zitin

Robert Shelton Award for Outstanding Research
Hannah Thankful Cromartie
Ari Benjamin Zitin

DEPARTMENT OF POLITICAL SCIENCE

*L. Richardson Preyer Award for Excellence in Political Science**
Anna Elizabeth Sturkey

DEPARTMENT OF PSYCHOLOGY

Department of Psychology Undergraduate Research Grants
Jordan Lani Austin
Blair Kirsten Puleo
Rachel Marie Swier

Rodney F. Hood Undergraduate Research Fund Award
Kelly Nichole Barry

Tom and Elizabeth Long Excellence Fund for Honors Award
Anna Christine Abate
Hannah Marie Burris
Heather Lynn Clark
David Micahel Khrakovsky
Amanda Marie Kramer
Melisa Menceloglu
Rachel Margaret Uhlman

David Bray Peele Memorial Research Award
Nathan Scott Ahlgrim
Elise Carroll Hartley
Michael H. Parrish

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

ANCBH Vaughn Upshaw Scholarship
Kayla Landers Sutton

Arnold D. Kaluzny, PhD Distinguished Alumni Award
Jefferson Gary Williams

Imogene Pence Klingenfus Award
Saundra Trouslot

Rachel Stevens Scholarship Award
Amanda Bissell

Margaret Blee-Ruth Warwick Hay Award
Laurie A. Heagy
Nancy Kim

DEPARTMENT OF PUBLIC POLICY

Michael A. Stegman Award for Policy Research and Advocacy
Nathaniel Arrington

Kathy Arnold Taft Award for Leadership in Education Policy
Tasia Harris

DIVISION OF RADIOLOGIC SCIENCE

Buddy Clark Loyalty Fund Radiologic Science Annual Scholarship
Samantha Marie Franklin

Dr. Jerry Lambiente Radiologic Science Loyalty Fund Annual Scholarship
Melissa U. Lang

The Phyllis Ann Canup Pepper Radiologic Science Memorial Fund Scholarships
Issack Endeshaw Boru
Brittney Kara Nicole Del Pizzo
Matthew J. Creech
Chi Adabel Lee
Amanda Elizabeth McClung
Kristen Brianna Reeder
Austin Ray Smith
Samuel Von Cannon Walden

Tina D. Robbins Memorial Award
Danielle Ashley Drum

Joseph Taylor Radiology Student Assistance Fund
Andrew Brian Mayer

DIVISION OF REHABILITATION COUNSELING AND PSYCHOLOGY

Educational Planning Symposium Rehabilitation Counseling and Psychology Annual Scholarships
Michael Anthony Galobardi
Eden Patience Garner
Shaun Patrick Thomas

Dr. Mark C. Fleming Rehabilitation Counseling and Psychology Annual Scholarship
Negat Gabrielle Retta

Richard H. Peters Rehabilitation Counseling and Psychology Annual Scholarship
Sarah Elizabeth Cohen

Peters-Reives Rehabilitation Counseling and Psychology Annual Scholarship
Casie Hall

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Nathan Spencer Tilley

The Bernard Boyd Memorial Fellowship
Jocelyn Kate Burney
Nathan Spencer Tilley

DEPARTMENT OF ROMANCE LANGUAGES AND LITERATURES

*Camões Prize in Portuguese**
Helen Irene Rolf

Falvo Award for Excellence in Italian Graduate Study
Danila Cannamela

*Jacques Hardré Undergraduate Award for Exellence in French**
Austin Cooper

Kimberly Kyser Award for Excellence in Italian
Romina Boyle
Timothy Brown
Nicole Fossas
Stephanie Tolar

Romance Languages Stoudemire Prize in Spanish
Elizabeth Ashley Whitfield
Elicia Kristine Hyde-DeRuyscher
Lindsay Stewart
Claire Lozano

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Ashley Paige Rivenbark

Thomas Henry Wilson Sr. Undergraduate Spanish Research Award
Kathryn Gutt
Maura Thornton

THE DEPARTMENT OF SOCIOLOGY

*The Howard W. Odum Undergraduate Sociology Award**
Amanda Frances Baldiga

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communications Disorders Annual Scholarship
Katherine Emily Loebner

Millicent Blair Arnett Memorial Speech-Language Pathology Annual Scholarship
Chanel Iman Blaylock

Audiology Alumni Annual Scholarship
Sarah Hall Webster

Dr. Sylvia Campbell Speech and Hearing Sciences Annual Scholarship
Molly Elizabeth Spears

Diversity Scholarship in Speech-Language Pathology
Jonathan Lyle Jolivette
Petros Pravasilis

Robert W. Peters Award
Whitney Rebekah Doub

Janice Rebecca Pettie Bowles Speech and Hearing Sciences Annual Scholarship
Rachel Ann Rhyne

* *Chancellor's Award*

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Stephanie Jo Carruthers

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

W. Robert Mann Award
Michael DeLuca

Mathematical Decision Sciences Award
Xiangcheng Gao
Yize Wang

STOR Outstanding Achievement Award
Gan Liu
Ruoyu Wu
Siyun Yu

STOR Teaching Award
Stefanos Kechagias
Michael Lamm
Zhankun Sun
Xuan Wang

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Hieu Cong Nguyen

DEPARTMENT OF ATHLETICS

2013–2014 Athletic Director's Scholar-Athlete Awards
Frank Abbondanza (Wrestling)
Kacie Albert (Women's Fencing)
Kaitlyn Anderson (Volleyball)
Sara Buchholz (Softball)
Malia Cali (Women's Cross Country)
Brad Dillon (Men's Swimming and Diving)
Lianne Farber (Women's Track and Field)
Daniel Giles (Men's Fencing)
Paige Hanson (Women's Lacrosse)
Meredith Hoover (Women's Swimming and Diving)
Michelle Ikoma (Gymnastics)
Mike Jacobs (Men's Cross Country)
Cody Johnson (Football)
Frankie Kelly (Men's Lacrosse)
Meredith Magjuka (Gymnastics)
Marta Malmberg (Field Hockey)
Kelly McFarlane (Women's Soccer)
Wade Moody (Men's Basketball)
Benton Moss (Baseball)
Katherine Perry (Women's Golf)
Isaac Presson (Men's Track and Field)
Sarah Priest (Rowing)
Andy Sajevic (Men's Golf)
Laura Slater (Women's Tennis)
Nelson Vick (Men's Tennis)
David Walden (Men's Soccer)

Atlantic Coast Conference Weaver-James-Corrigan Postgraduate Scholarships
Meredith Hoover (Women's Swimming and Diving)
Michelle Ikoma (Gymnastics)
Kelly McFarlane (Women's Soccer)

NCAA Elite 89 Award
Loren Shealy (Field Hockey)

Wells Fargo Scholarship
Michelle Ikoma (Gymnastics)

2013–2014 Team Captains

Baseball
Parks Jordan
Andrew Smith
Tom Zengel

Men's Basketball
James Michael McAdoo
Marcus Paige

Women's Basketball
Latifah Coleman
Diamond DeShields
Xylina McDaniel

Men's Cross Country
Isaac Presson

Women's Cross Country
Lianne Farber

Men's Fencing
Epee: Daniel Giles, Maxwell Tice-Lewis
Foil: Ian Kanar
Sabre: Nate Wiecha, Sam Austin, Jonathan Blake

Women's Fencing
Epee: Kacie Albert
Foil: Wynton Wong
Sabre: Gillian Litynski

Field Hockey
Loren Shealy
Emily Wold

Football
A.J. Blue
Mack Hollins
James Hurst
Kareem Martin
Jabari Price

Men's Golf
James Ellis
Andy Knox
Andy Sajevic

Women's Golf
Jackie Chang
Katherine Perry

Gymnastics
Kristin Aloi
Michelle Ikoma
Meredith Magjuka

Men's Lacrosse
Ryan Creighton
Greg McBride
Campbell Wood

Women's Lacrosse
Brittney Coppa
Margaret Corzel
Abbey Friend
Sloane Serpe

Rowing
Allie Davis
Maria Santoyo

Men's Soccer
Rob Lovejoy
Boyd Okwuonu

Women's Soccer
Crystal Dunn
Kelly McFarlane
Kealia Ohai
Anna Sieloff

Softball
Ashley Bone
Sara Buchholz
Amy Nece
Lori Spingola

Men's Swimming and Diving
Bryce Mendes
J.T. Stilley

Women's Swimming and Diving
Stephanie Peacock
Katie Rechsteiner

Men's Tennis
Esben Hess-Olesen
Nelson Vick

Women's Tennis
Tessa Lyons
Laura Slater

Men's Track and Field
Devon Carter
Chris DiLorenzo
Mike Jacobs
Steve Magnuson
Isaac Presson
Ryan Ramsey
Jon Raneri
Pat Schellberg
Roy Smith
Matt Valeriani

Women's Track and Field
Malia Cali
Lianne Farber
Tristine Johnson
Ashley Miess

Volleyball
Kaitlyn Anderson

Wrestling
Evan Henderson

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a more streamlined fit, white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Kiran Bhardwaj
Angelyn (Angie) S. Bitting
Tony Botros
Jeanette (Jan) Boxill
Anne K. Bryan
Jill Hartman Crowder
Christopher Derickson
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
Deborah L. Hawkins
Leslie S. Lerea
Karen Moon
Laura Hayes Morgan
Jacob Morse
Andrew Powell
Valerie A. Price
Jane C. Smith
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Charles Streeter
Georgia Walker

Credits

Published by the UNC–Chapel Hill offices of Publications Services and UNC Creative.
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This program was printed without the use of state funds.

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

SATURDAY, MAY TENTH

TWO THOUSAND FOURTEEN

The Graduate School

2014

DOCTORAL HOODING CEREMONY

The University of North Carolina at Chapel Hill

The Graduate School

2014

DOCTORAL HOODING CEREMONY

The University *of* North Carolina
at Chapel Hill

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel hooding ceremony. Each of you has accomplished so much in your years at Carolina, and we treasure this opportunity to honor you and celebrate your achievements.

Families and friends of our doctoral students, no one could believe more in their capacity and character than you. On behalf of the Carolina faculty and staff, thank you for the support and encouragement you gave them and congratulations as you also make a life transition.

Doctoral students, you have made extraordinary contributions to the University community. You have contributed to our mission of teaching and service, in addition to your own studies, which have helped create new knowledge. In your time here, you have developed the personal and professional connections that will be a lasting part of your life and career. Carolina has been your home for a few years, but you will always be part of the Carolina family.

Please keep in touch and visit Chapel Hill. We will be here, eager to help and applaud your success. Congratulations!

Carol L. Folt

CAROL L. FOLT

MESSAGE *from the* GRADUATE DEAN

Congratulations, doctoral graduates! You made it and your efforts have paid off. Today, our university's graduate education community and your family and friends join in celebrating your truly remarkable achievement.

What you have accomplished in your years at Carolina will resonate for your entire lifetime. And it resonates within your university: Through the diligent pursuit of your research, you have advanced important new knowledge in your academic fields that benefits North Carolina and places far beyond.

In the process, you've also discovered new knowledge about your talents, your determination and your own personal capabilities that you likely could not have imagined when you began this journey.

Now, as doctoral alumni, you bring your innovative ideas to a world that truly needs them. I join the faculty members who have mentored you and collaborated with you in wishing you the very best of success as you go forward from this day.

Steven W. Matson

STEVEN W. MATSON

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Doctoral Hooding Ceremony will be captioned on video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of May degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Doctoral degree graduates may receive their diplomas in a special departmental or school ceremony. Or they may pick up their diploma from the Office of the Registrar in the Student and Academic Services Buildings from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Office of the Registrar through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

** Captioning by Caption Perfect and MarchingOrders.*

The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, Director
Academic Procession	The Faculty Marshal—Valerie Ashby, *Professor and Chair, Department of Chemistry* The Official Platform Party The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education and Doctor of Public Health GRADUATE MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	John Wesley Miller, *Bachelor of Music*
Remarks	For the Board of Trustees of The University of North Carolina at Chapel Hill W. Lowry Caudill, *Chair*
Introduction of the Commencement Speaker	Kiran Bhardwaj, *President, Graduate and Professional Student Federation*
Commencement Address	Timothy Beatley, *Teresa Heinz Professor of Sustainable Communities, Department of Urban and Environmental Planning, School of Architecture, University of Virginia*
Conferring of Doctoral Degrees	Carol L. Folt, *Chancellor* James W. Dean Jr., *Executive Vice Chancellor and Provost* David Pfennig, *Caroline H. and Thomas S. Royster Distinguished Professor for Graduate Education, Biology* Steven W. Matson, *Dean of The Graduate School*
Presentation of the Faculty Award for Excellence in Doctoral Mentoring	Steven W. Matson, *Dean of The Graduate School*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Recessional	*Hark the Sound* John Wesley Miller

CAROL L. FOLT

Chancellor

Carol L. Folt took office as Carolina's 11th chancellor and first woman leader on July 1, 2013.

An internationally recognized environmental scientist and award-winning teacher, Folt served as interim president of Dartmouth College during 2012-2013. She also was Dartmouth Professor of Biological Sciences at the prestigious Ivy League institution.

Folt was formally installed as chancellor on University Day, October 12th, which marked Carolina's 220th birthday. She says the transformative power of public higher education is flourishing at the University.

In her installation address, Folt laid out an ambitious agenda for the future. "I believe that Carolina can be the leader in shaping the path for the great public universities in America. By preserving excellence and innovation, access and affordability, and a deep commitment to the state, we can gather strength to innovate and meet new challenges."

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology in 1982 from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

After joining the Dartmouth faculty in 1983, Folt rose steadily through the academic and administrative ranks. She was named associate director of Dartmouth's Toxic Metals Research Program in 1998, and two years later became associate director of the Center for Environmental Health Sciences. In 2001, she was appointed dean of graduate studies and associate dean of the faculty for interdisciplinary programs. She was promoted to dean of the faculty in 2004, tapped as acting provost in 2009, and named provost in 2010.

As interim president, Folt helped identify opportunities for greater collaboration across schools to enhance academic quality and competitiveness, oversaw growth in global partnerships, and augmented support for faculty, student and community entrepreneurship and technological innovation. She spearheaded a year-long focus on the arts, co-education and the future of higher education. As provost, she led the first strategic planning process, engaging hundreds of faculty, staff and students. Following the economic downturn, she co-led efforts to resolve a $100-million budget gap.

Folt's research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She and colleagues developed new technologies to assess mercury exposure and formed regional, national and international partnerships to shape public policy for safer waters. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

STEVEN W. MATSON

The Dean of The Graduate School

Steven W. Matson has served as dean of The Graduate School since 2008. He joined the UNC–Chapel Hill faculty in 1983.

Matson also is a professor in the Department of Biology in the College of Arts and Sciences, where he served as chair from 2002 to 2008. A biochemist by training, his research focuses on DNA repair, conjugative DNA transfer and the enzymatic mechanisms and biological roles of DNA helicases.

He is a recipient of the American Cancer Society Faculty Research Award and has served as a reviewer for the National Institutes of Health, the National Science Foundation and the American Cancer Society, in addition to a wide range of journals including the Journal of Molecular Biology, Biochemistry, Proceedings of the National Academy of Sciences and the Journal of Biological Chemistry, where he was an editorial board member from 2000 to 2005.

At Carolina, Matson has taught a variety of courses, including Current Topics in Biology, Advanced Molecular Biology, Advanced Cell Biology and honors sections of Genetics and Molecular Biology. A past recipient of the University's Tanner Award for Excellence in Undergraduate Teaching, Matson has served on a number of campus committees.

On the national level, he serves on the Council of Graduate Schools (CGS) Board of Directors. Made up of more than 500 institutions of higher education in the United States and Canada, the CGS's mission is to improve and advance graduate education through advocacy in the federal policy arena, research and the development and dissemination of best practices. Matson also serves on the Board of Directors for the Graduate Record Exam.

As dean of The Graduate School, he has led interdisciplinary efforts focused on extending critical support to graduate students, including creation of a Summer Research Fellowship program, designation of five-year Chancellor's Fellowships within the Royster Society of Fellows and the introduction of new professional development opportunities for graduate students. Matson works with the University's administration, faculty, staff and students, as well as graduate alumni, to advance understanding of graduate education's dynamic role at Carolina. An example of his leadership in this area is The Graduate School's interactive Tar Heel Footprints "map" (gradschool.unc.edu/footprints), which shows the impact of Carolina graduate alumni worldwide. In addition, Matson and his graduate dean colleagues across the state implemented Graduate Education Day at the Capitol in 2011.

A native of Coos Bay, Ore., Matson earned a bachelor's degree in mathematics from Colgate University. His master's and doctoral degrees are from the University of Rochester, both in biochemistry.

TIMOTHY BEATLEY

The Doctoral Hooding Ceremony Speaker

Timothy Beatley, a pioneering researcher in the field of "green urbanism" and sustainability, is the Teresa Heinz Professor of Sustainable Communities in the Department of Urban and Environmental Planning within the University of Virginia's School of Architecture.

A Carolina alumnus, Beatley received his doctorate in city and regional planning and his master's degree in political science from UNC–Chapel Hill, his master's degree in urban planning from the University of Oregon and his bachelor's degree in city planning from UVA.

Beatley joined the UVA faculty in 1986. The State Council of Higher Education for Virginia presented him with a 2011 Outstanding Faculty Award for his teaching and research excellence.

He has written or co-written more than 15 books on topics as diverse as nature's influence in sustaining a high quality of community life and workable approaches toward reducing the ecological "footprint" in cities and towns. The American Planning Association has recognized his book "Ethical Land Use" as one of its "100 Essential Books in Planning."

His most recent book is "Biophilic Cities: Integrating Nature into Urban Design and Planning," published in 2011. He begins his book by discussing that while young adults might not lack genuine interest in nature, for most of them "nature is fairly abstract and rather general."

He goes on to write, "There are many reasons to worry about our loss of intimate contact with nature, and they come together to create a compelling argument for a new vision of what cities could be. ... A biophilic city is a city abundant with nature, a city that looks for opportunities to repair and restore and creatively insert nature wherever it can."

Beatley also has collaborated on a documentary film, titled "The Nature of Cities," about sustaining a vital connection to nature within city life, and that film has been shown on PBS stations nationwide.

"Tim Beatley continues to advance knowledge that is helping us navigate significant challenges in our increasingly urban world," said Steven Matson, dean of The Graduate School at UNC–Chapel Hill. "With compassion and clear vision, he puts forward carefully considered ways to sustain quality of life in communities across our country and beyond."

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The Graduate School

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Dean Steven W. Matson

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Michael A. Abel, *Mathematics,* Virtual Crossings and Filtrations in Link Homology. Professor Lev Rozansky.

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Elizabeth A. Adams, *Psychology,* The Developmental Influence of Skin Tone on Psychosocial Outcomes Among African American Youth. Professor Beth E. Kurtz-Costes.

Maria Merced Aleman, *Pathology,* Cellular and Plasma Protein Cross-talk in Arterial and Venous Thrombosis. Professor Alisa Wolberg.

Jena Abdullah Al-Fuhaid, *English,* Feminine-Centered History and the "Good Cause" in Mary Shelley's Perkin Warbeck. Professor Jeanne Moskal.

Deborah Dawn Hutchinson Allen, *Nursing,* Exploring Cognitive Reserve and Compensatory Behaviors Used to Maintain Executive Control Function in Adults with Primary Brain Tumors. Professor Virginia J. Neelon.

Justin Allman, *Mathematics,* K-Classes of Quiver Cycles, Grothendieck Polynomials, and Iterated Residues. Professor Richard Rimanyi.

Kate R. Allman, *Education,* Reading the Middle East: A Critical Discourse Analysis of Classroom Literacy Events around Persepolis. Professor Julie E. Justice.

Monique Ahinee Amamoo, *Epidemiology,* Impact of Automatic Reporting of Estimated Glomerular Filtration on Chronic Kidney Disease Detection and Patient Care in a Hospital Setting. Professor Gerardo Heiss.

Neil David Anderson, *Romance Languages and Literatures,* Microgeographies: Galician Narratives of Place (2004–2012). Professor Samuel Amago.

Sarah Andres, *Cell and Molecular Physiology,* Expression Patterns and Roles of the Insulin Receptor in the Intestinal Epithelium. Professor P. Kay Lund.

Mercedes Baillargeon, *Romance Languages and Literatures,* Aesthetics and Politics of Contemporary Women's "Autofiction." Professor Dominique D. Fisher.

Deepali Bang, *Cell and Developmental Biology,* Oncogenic KRAS, GSK-3, NF-kappaB and TBK1: The Interplay and Consequences in Promoting Pancreatic and Lung Cancer. Professor Albert S. Baldwin.

Sarah Ayako Barksdale, *History,* Prelude to a Revolution: African American World War II Veterans, Double Consciousness, and Civil Rights 1940–1955. Professor Richard H. Kohn.

Lisa Barnard, *Mass Communication,* The Cost of Creepiness: How Online Behavioral Advertising Affects Consumer Purchase Intention. Professor Maria Leonora Comello.

Rebecca Nancy Bauer, *Toxicology,* The Role of the Inflammasome in the Respiratory Innate Immune Response to Viruses and Pollutants: Insights for Asthma Pathogenesis. Professor Ilona Jaspers.

Janel Nikol Beckham, *Communication Studies,* The Value of a Pint: A Cultural Economy of American Beer. Professor Lawrence Grossberg.

Erik Arthur Bentsen, *Education,* Utilizing Collaborative Reading Groups and Coaching as Social Skills Interventions for Students with Emotional/Behavioral Disabilities. Professor Karen Erickson.

Russell Bither-Terry, *Political Science,* Zero Hunger: The Politics of Anti-Hunger Policy in Brazil. Professor Evelyne Huber.

Krysta Leigh Black, *Art History,* Sacred History and Christian Kingship in the Leon Bible of 960. Professor Dorothy H. Verkerk.

Amanda Kay Bock, *Education,* Comprehensive Literacy Instruction in Self-Contained Special Education Classrooms: Epistemology and Practice. Professor Karen A. Erickson.

Ashley Summer Boyd, *Education,* Contradictions in Teaching: A Collective Case Study of Teachers' Social Justice Literacies in Middle and Secondary English Classrooms. Professors Jocelyn A. Glazier and Julie E. Justice.

Friederike Bruehoefener, *History,* Defining the West German Soldier: Military, Masculinity and Society in West Germany, 1945–1989. Professor Karen Hagemann.

Raquel Alexandra Burger-Calderon, *Microbiology and Immunology,* The BK Virus and HIV-Associated Salivary Gland Disease: Corroborating the Link. Professor Jennifer Webster-Cyriaque.

Stephen James Bush, *Bioinformatics and Computational Biology,* SNAPP, CRACLe, PoPP: Predicting Protein Interactions. Professor Alexander Tropsha.

John Douglas Calaway, *Genetics and Molecular Biology,* Genetic Regulation of Epigenetic Processes in Mouse: DNA Methylation and X Chromosome Inactivation. Professor Terry Magnuson.

Colin Scott Campbell, *Sociology,* Three Studies on the Determinants and Consequences of Poverty. Professor Arne L. Kalleberg.

Jaime Nicole Campbell, *Biochemistry and Biophysics,* The XMAP215 Family Drives Microtubule Polymerization Using a Structurally Diverse TOG Array. Professor Kevin C. Slep.

Kasemsiri Chandarajoti, *Pharmaceutical Sciences,* Utilizing a Chemoenzymatic Method for Synthetic Heparin Targeting Factor Xa and P-selectin. Professor Jian Liu.

Ling-Yin Chang, *Health Behavior,* Examining the Direct, Indirect and Moderated Effects of Neighborhood Characteristics on Trajectories of Dating Violence Perpetration. Professor Vangie A. Foshee.

Marta Szmacinski Charpentier, *Genetics and Molecular Biology,* Characterization of the CASZ1-Dependent Mechanisms Underlying Vertebrate Blood Vessel Development. Professor Frank L. Conlon.

MUSIC

On Commencement weekend, graduates, families and friends will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Doctoral Hooding ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Chidsanuphong Chart-asa, *Environmental Sciences and Engineering,* Quantifying Health Impacts of Traffic-Related Fine Particulate Air Pollution at the Urban Project Scale. Professor Jacqueline MacDonald Gibson.

Morgan Chateau, *Microbiology and Immunology,* Prevention of HIV Transmission. Professor Victor Garcia.

Ritwik Chaudhuri, *Statistics and Operations Research,* Non-Gaussian Semi-Stable Distributions and Their Statistical Applications. Professor Vladas Pipiras.

Martha Ann Clark, *Microbiology and Immunology,* Iron Deficiency and Iron Supplementation Conspire to Mediate Susceptibility to Erythrocytic Stage Plasmodium falciparum Infection. Professor Steven R. Meshnick.

Lara-Jeane Croker Costa, *Education,* The Relations among the Development of Written Language and Executive Functions in Elementary Aged Students. Professor Jeffrey A. Greene.

Elicia Parker Cowins, *Business Administration,* Does Hedge Accounting Reflect Firms' Risk Management Activities? Professor Wayne R. Landsman.

Christopher J. Cronin, *Economics,* Insurance-Induced Moral Hazard: A Dynamic Model of Within-Year Medical Care Decision Making under Uncertainty. Professor Donna B. Gilleskie.

Jennifer Lynne Cronin, *Communication Studies,* Speaking the Unspeakable: Adult Children's Revelations of Unwed Pregnancy to Parents. Professor Lawrence B. Rosenfeld.

Sean Curtis, *Computer Science,* Pedestrian Velocity Obstacles: Pedestrian Simulation Through Reasoning in Velocity Space. Professor Dinesh Manocha.

Corey Leigh Cusack, *Neurobiology,* The Molecular Intersection between Axon-Specific Pruning and Neuronal Apoptosis. Professor Mohanish Deshmukh.

Sarah Dababnah, *Social Work,* Pilot Trial of the Incredible Years for Parents of Preschool Children with Autism Spectrum Disorder. Professor Susan L. Parish.

Elyse Cathleen Dankoski, *Neurobiology,* Dynamic Modulation of In Vivo Serotonin Signaling. Professor R. Mark Wightman.

Nicole Lane Davis, *Epidemiology,* Adherence-Related Mechanisms of Breastmilk HIV-1 Transmission. Professor William C. Miller.

Dinuka M. De Silva, *Pathology,* Role of Androgen Receptor Co-Repressor SLIRP in Cell Cycle Regulation. Professor Young E. Whang.

Nathan Dean, *Political Science,* Balancing the Plurality of Liberal Values. Professor Jeff Spinner-Halev.

Kari Moore Debbink, *Microbiology and Immunology,* Mechanisms of GII.4 Norovirus Antigenic Variation and Evolution. Professor Ralph S. Baric.

Finnur Dellsen, *Philosophy,* The Epistemology of Science: Acceptance, Explanation, and Realism. Professor Marc B. Lange.

John P. Didion, *Bioinformatics and Computational Biology,*Genetic Analysis of Meiotic Drive Systems in the Mouse Using Genotyping Arrays. Professor Fernando Pardo-Manuel de Villena.

Gauri Dixit, *Biochemistry and Biophysics,* Regulation of Cell Morphogenesis by Targeted Noise Suppression and Trafficking of a G Protein Alpha Subunit. Professor Henrik G. Dohlman.

Daniel I. Dominguez, *Pharmacology,* Transcriptome Dynamics During the Mammalian Cell Cycle. Professor Zefeng Wang.

Jonathan Macdougal Duncan, *Geography,* Spatial and Temporal Scaling of Nitrogen Cycling and Export: Resolving Three Paradoxes for a Forested Piedmont Watershed. Professor Lawrence E. Band.

Lindsay M. Dunn, *Art History,* A Revolutionary Empress in the Age of Napolean: Marie-Louise, Archduchess of Austria, Empress of the French, and Duchess of Parma, Piacenza, and Guastalla (1791–1847). Professor Mary D. Sheriff.

Darin Scan Earnest, *Education,* Calculating Item Discrimination Values Using Samples of Examinee Scores around Real and Anticipated Cut Scores: Effects on Item Discrimination, Item Selection, Examination Reliability and Classification Decision Consistency. Professor Gregory J. Cizek.

Ryan Scott Ebright, *Musicology,* Echoes of the Avant-Garde in American Minimalist Opera. Professor Mark Katz.

Cihat Eldeniz, *Biomedical Engineering* , Quantitative MR T1 Measurements with TOWERS: T-One with Enhanced Robustness and Speed. Professor Weili Lin.

Emily A. Elstad, *Health Behavior,* Cancer Screening Benefits and Harms: News Coverage and Provider Perceptions. Professor Noel T. Brewer.

Justin Gregory English, *Pharmacology,* Decoding the Yeast Stress Adaptation Circuit. Professor Henrik G. Dohlman.

Leila Family, *Epidemiology,* Associations Between Genetic Polymorphisms in DNA Bypass Polymerases and Base Excision Repair Genes with the Risk of Breast Cancer. Professor Andrew F. Olshan.

Keturah R. Faurot, *Epidemiology,* Botanical Dietary Supplement Use Among Hispanic/Latino Adults in the Hispanic Community Health Study/Study of Latinos: Comparison of a Diet-vs.-Medication-Based Survey. Professor Anna Maria Siega-Riz.

Leslie C. Fox, *Education,* Physical Activity and Adolescent Girls with ASD: Effects of an Individualized Exercise Program on Cognitive, Social and Physical Health Indicators. Professor Samuel L. Odom.

Cynthia Michelle Fraga, *Social Work,* The Coping Efforts of Intimate Partner Violence Survivors: Review of the Literature, Exploratory Inquiry and Scale Development. Professor Rebecca J. Macy.

Eric Matthew Francisco, *Biomedical Engineering,* Cortical Diagnostics: Measuring Brain Health Through Somatosensation. Professor Mark Tommerdahl.

Matthew Martin Frankc, *Musicology,* The Impact of Jules Massenet's Operas in Milan, 1893–1903. Professor John L Nadas.

David T. Frazier, *Economics,* Essays on Iterative and Two-Step Estimators with Applications to Financial Econometrics. Professor Eric Renault.

John Douglas Gallemore, *Business Administration,* Does Bank Opacity Enable Regulatory Forbearance? Professor Edward L. Maydew.

George C. Gerolimatos, *History,* Structural Change and Democratization of Schleswig-Holstein's Agriculture, 1945–1973. Professor Christopher Browning.

Yunchao Gong, *Computer Science,* Large-Scale Image Retrieval Using Similarity Preserving Binary Codes. Professor Svetlana Lazebnik.

Vincent Michael Gonzalcz, *Religious Studies,* Born Again Digital: Exploring Evangelical Video Game Worlds. Professor Yaakov Ariel.

Rodrigo Javier Gonzalez, *Microbiology and Immunology,* Dissemination of Yersinia pestis During Bubonic Plague. Professor Virginia L. Miller.

Megan Goodwin, *Religious Studies,* Good Fences: American Sexual Exceptionalism and Minority Religions. Professor Randall Styers.

Kcnneth Max Gorfklc, *Romance Languages and Literatures,* The Intersection of Life and Death in David Rosenmann-Taub's Tetralogy Cortejo y Epinicio. Professor Rosa P. Perelmuter.

Jcan-Marc Grandjean, *Chemistry,* Anti-Markovnikov Hydrofluorination, Hydrooxysulfonylation and Hydration of Styrenes. Photoredox Catalytic Polar-Radical Crossover Cycloaddition of Olefins and Allylic Nucleophiles. Professor David A. Nicewicz.

David Grawoig, *Chcmistry,* SAR by SHAPE: Towards Small Molecules that Target RNA. Professor Kevin M. Weeks.

Jcffrcy Earl Gray, *Toxicology,* Decoding Mechanisms of Loss of Fertilization Ability of Cryopreserved Mouse Sperm. Profcssor Terry Magnuson.

Nicole Gabrielle Griffin, *Genetics and Molecular Biology,* Genetic Analysis of Complex and Mendelian Diseases. Professor Kirk C. Wilhelmsen.

Laura Gutmann, *Education,* How Teacher Evaluation Shapes Conceptions of Good Practice: Policy Intention, Implementation and Interpretation. Professor Jocelyn Glazier.

Kathryn Esther Hacker, *Genetics and Molecular Biology,* Investigating the role of SETD2 Mutations and H3K36me3 Loss in Clear Cell Renal Cell Carcinoma. Professor W. Kimryn Rathmell.

Nicole Anne Hagan, *Environmental Sciences and Engineering,* Residential Mercury Contamination and Exposure in Huancavelica, Peru. Professor Jason West.

Aaron Todd Hale-Dorrell, *History,* Khrushchev's Corn Crusade: The Industrial Ideal and Agricultural Practice in the Era of Post-Stalin Reform, 1953–1964. Professor Donald J. Raleigh.

Matthew W. Halvorsen, *Bioinformatics and Computational Biology,* Disease Associated Mutations and Functional Variants that Significantly Disrupt RNA Structure. Professor Alain Laederach.

Daniel Elliott Harper, *Psychology,* Psychophysical Examination of the Thermal Grill Illusion. Professor Mark Hollins.

Scott C. Hauswirth, *Environmental Sciences and Engineering,* Physicochemical Approaches for the Remediation of Manufactured Gas Plant Tar in Porous Media. Professor Cass T. Miller.

Elizabeth A. Hennessy, *Geography,* On the Backs of Tortoises: Conserving Evolution in the Galapagos Islands. Professor Wendy Wolford.

Elizabeth Eve Hibberd, *Human Movement Science,* Effect of Swim Training on Physical Characteristics and Pain in Competitive Adolescent Swimmers. Professor Joseph B. Myers.

Philip John Homan, *Chemistry,* High-Throughput Analysis of RNA Tertiary Structure and Interactions. Professor Kevin M. Weeks.

Bethany Jablonski Horton, *Biostatistics,* Test-Dependent Sampling Design and Semi-Parametric Inference for the ROC Curve. Professor Haibo Zhou.

Carolyn Susan Huffman, *Nursing,* The Meaning of Miscarriage: Measurement, Reproductive Factors, and Trajectories in Couple Dyads. Professor Kristen Swanson.

Rachel M. Hynson, *History,* Sex and Statc Making in Revolutionary Cuba, 1959–1968. Professor Kathryn J. Burns.

Samantha Leigh Isenberg, *Chemistry,* Improvements in Mass Spectrometric Analyses with Differential Ion Mobility Spectrometry. Professor Gary L. Glish.

Sara Rubin Jacobs, *Health Policy and Management,* Multilevel Predictors of Cancer Clinical Trial Enrollment among CCOP Physicians. Professor Bryan J. Weiner.

Elizabcth T. Jensen, *Epidemiology,* Pharmacologic Sex Hormone Use Before and in Early Pregnancy in Relation to Birth and Early Childhood Anthropometric Outcomes. Professor Julie Daniels.

Kara L. Jensen, *Microbiology and Immunology,* Characterization of a Novel Mycobacterium Tuberculosis-Simian Immunodeficiency Virus Vaccine to Prevent Oral Pediatric HIV Transmission. Professor Kristina Abel.

Brian Donovan Johnson, *Romance Languages and Literatures,* The Rhetorical Use of Animals in Early Modern French Literature. Professor Hassan Melehy.

Monica Perez Jolles, *Health Policy and Management,* Increasing Community and Family Participation in Child Welfare Agencies as a Way to Improve Families' Use of Health Services. Professor Rcbecca Wells.

Jordan D. Kern, *Environmental Sciences and Engineering,* Dynamic Hydrologic and Economic Modeling of Tradeoffs in Hydroelectric Systems. Professor Gregory Characklis.

Zachary Yukio Kerr, *Epidemiology,* The Association of Concussion History and Mental Health in Former Collegiate Athletes. Professor Stephen W. Marshall.

Jessica Rachel Keys, *Epidemiology,* Minority Drug Resistant Variants of HIV-1 and Response to Early Combination Therapy. Professor Charlie Poole.

Mona Kilany, *Health Policy and Management,* Patient-Centered Medical Homes for Patients with Severe Mental Illness: Utilization and Quality of Care Variation in Rural Areas. Professor Joseph Morrissey.

Changhyun Kim, *Business Administration,* Governance Mechanisms and Shareholder Value. Professor Richard A. Bettis.

Martha Elizabeth King, *Anthropology,* Cultural Contexts of Health and Illness Among the Lancaster Amish. Professor Dorothy Holland.

Hanna Kleider, *Political Science,* Decentralization and the Welfare State: Territorial Disparities, Regional Governments and Political Parties. Professor John D. Stephens.

Anna L. Krome-Lukens, *History,* The Reform Imagination: Gender, Eugenics and the Welfare State in North Carolina, 1900–1940. Professor Jacquelyn D. Hall.

Elizabeth Marie Holdsworth La, *Health Policy and Management,* The Systemic Effects of a State Psychiatric Hospital Waitlist Policy on Mental Health Services Use. Professor Joseph Morrissey.

Lance Elliot Lagroue, *History,* Accounting and Auditing in Roman Society. Professor Richard Talbert.

Christopher Andrew Lavender, *Chemistry,* RNA Structure Prediction Using High-Throughput Chemical Modification Techniques. Professor Kevin M. Wecks.

Daniel Mark Layman, *Philosophy,* John Locke's Republicanism. Professor Gerald J. Postema.

Kaitlin Christine Lenhart, *Pathology,* The Rho-GAP GRAF1 Regulates Skeletal Muscle Maturation and Repair. Professor Joan M. Taylor.

Yanjun Liu, *Education,* Teachers' In-the-Moment Noticing of Students' Mathematical Thinking: A Case Study of Two Teachers. Professor Susan N. Friel.

Belinda L. Locke, *Education,* Modeling Relations Between Adolescents' Perceptions of the School's Social Context, Academic and Social Self-Concept of Ability Beliefs, and Student Engagement. Professor Judith Meece.

Matthew Warren Lowder, *Psychology,* Effects of Sentence Structure on Processing of Complex Semantic Expressions. Professor Peter C. Gordon.

Derek Severi Lundberg, *Genetics and Molecular Biology,* Root-Associated Bacterial Communities as an Extended Phenotype of the Plant. Professor Jeff L. Dangl.

Kenneth MacCabe, *Physics,* X-ray Scatter Tomography Using Coded Apertures. Professor Otto Zhou.

Madisa Macon, *Toxicology,* Mechanistic Pathways Underlying Low-Dose Perfluorooctanoic Acid (PFOA) Effects in Murine Mammary Tissues. Professor Suzanne E Fenton.

Margaret C. Martin, *History,* Creating an American Way of Mobilization: The Federal System and Wartime Mobilization in North Carolina During the War of 1812. Professor Wayne E. Lee.

Maria I. Martinez, *Psychology,* Young Latino Children at Risk for Psychopathology: Effects of Maternal Depressive Symptoms on Child Behavior. Professor Eric A. Youngstrom.

Lindsey Haynes Maslow, *Health Policy and Management,* Access to Fruits and Vegetables for Low-Income Individuals: A Mixed Methods Study to Healthy Eating. Professor Pam Silberman.

Catherine Massie, *English,* Romantic Frames of Mind: Vision and Sympathy in British Novels of the 19th Century. Professor Joseph S. Viscomi.

Bevin Laurel Maultsby, *Mathematics,* The Geometry of Radial States in Nonlinear Elliptic Problems. Professor Christopher K.R.T. Jones.

Ashley Michelle Mays, *History,* A Past Still Living: The Grieving Process of Confederate Widows. Professor Joseph T. Glatthaar.

Marta McCabe, *Education,* Parental Experiences with Children's Heritage Language Maintenance and Loss: Cases of Eleven Czech and Slovak Transnational Immigrant Families in the Southeastern United States. Professor Xue Lan Rong.

Jinghan Meng, *Business Administration,* Skewness and Dispersion of Opinions and the Cross Section of Stock Returns. Professor Riccardo Colacito and Eric Ghysels.

Louis Ari Merlin, *City and Regional Planning,* Accessibility, Travel Behavior, and Urban Form Change. Professor Yan Song.

Luke William Mills, *English,* Religious Oaths in the Chaucerian Fabliaux. Professor Joseph S. Wittig.

John Justin Milner, *Nutrition,* The Immunological Consequences of Obesity on Primary and Secondary Immune Defenses to the 2009 Pandemic H1N1 Influenza Virus. Professor Melinda A. Beck.

Warren Eugene Milteer, *History,* The Complications of Liberty: Free People of Color in North Carolina from the Colonial Period Through Reconstruction. Professors Kathleen DuVal and Malinda Maynor Lowery.

Estephan Jose Moana-Filho, *Oral Biology,* Brain Micro- and Macro-Structural Characteristics Investigation in Fibromyalgia Using Multi-Modal Magnetic Resonance Imaging. Professor Richard H. Gracely.

Amanda Jean Moffett, *Physics and Astronomy,* Disk Regrowth in E/S0 Galaxies and Its Environmental Dependence. Professor Sheila Kannappan.

Chad Henderson Morgan, *Information and Library Science,* Craft and Job Satisfaction: North Carolina Library and Information Science Graduates. Professor Joanne G. Marshall.

Meghan Lynn Morgan-Smith, *Neurobiology,* GSK-3 Regulation of Migration and Morphogenesis in the Developing Cortex. Professor William D. Snider.

Kaiji Motegi, *Economics,* Granger Causality in Mixed Frequency Time Series. Professor Eric Ghysels.

Lee B.Mullin, *Biomedical Engineering* , Ultrasound Mediated Nanoparticle Drug Delivery. Professor Paul A. Dayton.

Rebecca L. Nesvet, *English,* The Vanishing Voyager and the Emerging Outsider, 1818–1930. Professor Jeanne Moskal.

Richard Hajime Nguyen, *Biomedical Engineering* , Applications of Sensory Perceptual Metrics to Screen, to Track Changes In, and to Differentiate Clinical Populations. Professor Mark A. Tommerdahl.

Tien Minh Nguyen, *Chemistry,* Development of Two Organocatalytic Photoredox Transformers: The Enantioselective Cation Radical Diels-Alder Reaction and the Anti-Markovnikov Hydroamination of Alkenes. Professor David A. Nicewicz.

Aaron Hugh Nile, *Cell and Developmental Biology,* Chemical Inhibitors of Phosphatidylinositol Transfer Proteins Enable Highly Selective Interference with Specific Pathways of Phosphoinositide Signaling in Cells. Professor Vytas A. Bankaitis.

Katherine E. Nolfi, *Philosophy,* Understanding Epistemic Normativity. Professor Ram Neta.

Theresa A. O'Meara, *Environmental Sciences and Engineering,* Anthropogenic Effects on Estuarine Shoreline Primary Productivity and Nutrient Cycling. Professor Michael F. Piehler.

Christopher Dennis Packey, *Microbiology and Immunology,* Disruption of Complex Enteric Commensal Microbial Communities and Their Mutualistic Functions with the Host Contributes to the Severity of Common Intestinal Disorders and Serves as a Promising Therapeutic Target. Professor R. Balfour Sartor.

Kyle Ann Palmquist, *Ecology,* Community Assembly and Vegetation Patterns Across Space and Time in the Longleaf Pine Ecosystem. Professor Robert K. Peet.

Monita Ramesh Patel, *Epidemiology,* A Study of CD4-Stratified Timing of Antiretroviral Therapy Among Patients Receiving Integrated Tuberculosis and HIV Treatment in a Highly Resource-Limited Setting. Professor Annelies Van Rie.

John Culver Pelton, *Biology,* An aPKCD-Dependent Two-Tip-Cell Topology Aids in Establishing Polarity of Angiogenic Sprouts. Professor Victoria L. Bautch.

Lei Peng, *Pharmaceutical Sciences,* Taxane Conjugate Nanoparticles for Improved Non-Small Cell Lung Cancer Treatment in a Novel Orthotopic Mouse Model. Professor Russell J. Mumper.

Jessica Kadis Pepper, *Health Behavior,* Electronic Cigarettes: Diffusion of a Controversial Innovation. Professor Noel T. Brewer.

Jessica Leigh Petrick, *Epidemiology,* Dietary Intake of Flavonoids, Barrett's Esophagus Development, and Esophageal and Gastric Cancer Incidence and Survival. Professor Marilie D. Gammon.

Chelsea Jacqueline Phillips, *Political Science,* The Role of Political Similarity in Romantic Relationships. Professor Thomas M. Carsey.

Shabbar Ismailbhai Ranapurwala, *Epidemiology,* Prevention of Scuba Diving Mishaps Using a Predive Checklist: A Cluster Randomized Trial. Professor Steven B. Wing.

Christopher Michael Reali, *Musicology,* Making Music in Muscle Shoals. Professor Jocelyn R. Neal.

Rachel L. Redler, *Biochemistry and Biophysics,* The Impact of Post-Translational Modifications on Aggregation of Cu, Zn Superoxide Dismutase in Amyotrophic Lateral Sclerosis. Professor Nikolay V. Dokholyan.

Ashley Kay Reed, *English,* Gender, Race and Secular Agency in American Protestant Fiction, 1820–1870. Professor Jane F. Thrailkill.

Cathleen Carolyn Reynolds, *Education,* Multidimensional Literacy Development: Examining Child Behavior and Teacher Instruction. Professor Rune J. Simeonsson.

Lorraine L. Richards, *Information and Library Science,* Evidence-as-a-Service: State Recordkeeping in the Cloud. Professor Christopher A. Lee.

Michelle Riener, *Chemistry,* Synthesis of C2 Symmetric Cyclobutanes and gamma-Butyrolactones via Photoinduced Electron Transfer. Professor David A. Nicewicz.

Stephanie Adair Rispoli, *English,* Anatomy, Vitality and The Romantic Body: Blake, Coleridge and the Hunter Circle, 1750–1840. Professors Reid Barbour and Paul B. Youngquist.

Adam Berkley Roberts, *Biochemistry and Biophysics,* Selective Modulation of the Microbiome: Efforts Towards a New Paradigm in Human Therapeutics. Professor Matthew R. Redinbo.

Andrew Roberts, *Mathematics,* Abrupt Changes and Intervening Oscillations in Conceptual Climate Models. Professor Christopher K.R.T. Jones.

John Elliott Robinson, *Neurobiology,* Translational Investigations of Rewarding Substances Using the Curve-Shift Method of Intracranial Self-Stimulation in Mice. Professor C. J. Malanga.

Benjamin E. Rogerson, *English,* Art/Work: White-Collar Creativity, 1960–1970. Professor Gregory Flaxman.

Artur Romanchuk, *Biology,* Defining the Constraints of Microbial Evolution via Horizontal Gene Transfer: Uncovering the Roles of Protein Complexity, Function and Divergence. Professor Corbin D. Jones.

Shyanika W. Rose, *Health Behavior,* Factors Influencing Support for Point-Of-Sale Provisions of the Tobacco Control Act: Retailer and Public Opinion. Professor Kurt M. Ribisl.

Heather Ryan, *Information and Library Science,* Who's Afraid of File Format Obsolescence? Evaluating File Format Endangerment Levels and Factors for the Creation of a File Format Endangerment Index. Professor Christopher A. Lee.

Lauren Marie Sanford, *Art History,* Littoral Crossings: Imagery of Women and Water in 19th-Century Britain. Professor Mary D. Sheriff.

Mohona Sarkar, *Chemistry,* Effects of Biomolecular Crowding on Protein Stability. Professor Gary J. Pielak.

Pavak Kirit Shah, *Biomedical Engineering,* Micropallet Arrays as an Integrated Platform for the Characterization and Manipulation of Single Cells. Professor Nancy L. Allbritton.

Liang Shan, *Computer Science,* Automatic Localized Analysis of Longitudinal Cartilage Changes. Professor Marc Niethammer.

Laura Ann Sheble, *Information and Library Science,* Diffusion of Meta-Analysis, Systematic Review, and Related Research Synthesis Methods: Patterns, Contexts and Impact. Professor Diane Kelly.

Paul Steven Sheeran, *Biomedical Engineering,* Optimizing the Performance of Phase-Change Contrast Agents for Medical Ultrasonography. Professor Paul A. Dayton.

Sarah Elizabeth Sinnett, *Neurobiology,* Identification of Novel Molecules that Bind and Regulate AMP-Activated Protein Kinase (AMPK). Professor Jay E. Brenman.

Rebecca Kristen Sinnott, *Pharmacology,* Mechanisms that Promote Liberation of Mitotic Stress-Induced Death. Professor Angelique Whitehurst.

Christopher Thomas Smith, *Neurobiology,* Neurocognitive Investigation of Immediate Reward Selection Bias, a Putative Intermediate Phenotype for Alcohol Use Disorders. Professor Charlotte A. Boettiger.

Deirdre Gobeille Snyder, *Business Administration,* Harnessing the Power of Loneliness: A Social Functional Approach to Loneliness at Work. Professor Alison R. Fragale.

Alexander Soibelman, *Mathematics,* The Very Good Property for Moduli of Parabolic Bundles and the Deligne-Simpson Problem. Professor Dima Arinkin.

Stephen Peter Sojka, *Biology,* Functional Analysis of a CASZ1/CHD5 Interaction in Cardiac Development and Disease. Professor Frank L. Conlon.

Wendy Lunsford Staskiewicz, *Education,* Seeking Spaces for Negotiation: Issues of Agency When Students Contribute to Decisions About Curriculum. Professor Jocelyn Glazier.

Virginia Ruth Stewart, *Business Administration,* Sense-Making and Strategy Development in Underperforming Teams. Professors David A. Hoffman and Benson Rosen.

Florian Stoeckel, *Political Science,* Solidarity Among Strangers? Citizenship, Identity, and Ambivalent Attitudes in Europe. Professor Liesbet Hooghe.

Christa E. Sturdevant, *Microbiology and Immunology,* Viral Characteristics Associated with Human Immunodeficiency Virus Type 1 Infection of the Central Nervous System Early Following Transmission. Professor Ronald Swanstrom.

Katsuhiko Sueda, *Pharmaceutical Sciences,* Orally Administered Penta-Ethyl Ester Prodrug of DTPA for the Decorporation of Americium-241. Professor Michael Jay.

Benjamas Suksatit, *Nursing,* Sleep in Community-Dwelling Older Adults: Issues of Measurement. Professor Virginia J. Neelon.

David Charles Supp-Montgomerie, *Communication Studies,* Speaking from the Heart: Mediation and Sincerity in U.S. Political Speech. Professor Christian Lundberg.

Deirdre Catherine Tatomer, *Biology,* Connecting Nuclear Organization and Gene Expression: The Role of the Histone Locus Body in Histone mRNA Biosynthesis. Professors William F. Marzluff and Robert J. Duronio.

Micah Taylor, *Computer Science,* Interactive Sound Propagation for Massive Multi-User and Dynamic Virtual Environments. Professor Dinesh Manocha.

Nicholas Jay Taylor, *Epidemiology,* Common Genetic Variation in Cell Cycle Regulatory Genes and Etiology of Intrinsic Breast Cancer: A Candidate Gene Approach. Professor Andrew F. Olshan.

Tehseen Thaver, *Religious Studies,* Ambiguity, Hermeneutics, and the Formation of Shi'i Identity in al-Sharif al-Radi's (d.1015CE) Qur'an Commentary. Professor Carl Ernst.

Caitlin Elizabeth Tolbert, *Cell and Developmental Biology,* Characterizing the Role of Actin Binding, Bundling and Tyrosine Phosphorylation in Modulating Vinculin Function. Professor Keith Burridge.

Davin Townley-Tilson, *Cell and Developmental Biology,* The Role of Ankyrin Repeat and SOCS BOX Containing Protein 4 (ASB4) in Trophoblast Differentiation. Professor Cam Patterson.

Andrew Wallace Tucker, *Biomedical Engineering ,* Development of a Stationary Digital Breast Tomosynthesis System for Clinical Applications. Professors David Lalush and Otto Zhou.

Martha B. van der Drift, *Romance Languages and Literatures,* Leclezien Hybridity: Relations Across Genres, Histories and Cultures in Selected Works. Professor Dominique Fisher.

Christopher Joseph Vargo, *Mass Communication,* Brand Messages on Twitter: Predicting Diffusion with Textual Characteristics. Professor Joe B. Hester.

Kristine Marie Wadosky, *Pathology,* Cardiac Muscle RING Finger 1 Inhibits Adaptive Hypertrophic Remodeling Induced by IGF-1, Exercise and Thyroid Hormone. Professor Monte S. Willis.

Laura R. Wagner, *Anthropology,* Haiti is a Sliding Land: Displacement, Community, and Humanitarianism in Post-Earthquake Port-Au-Prince. Professor Peter Redfield.

Michael Lyn Wallace, *Neurobiology,* Circuit and Neuron Type-Specific Roles for UBE3A in the Visual Cortex. Professor Benjamin D. Philpot.

Simi Wang, *Mathematics,* Modeling Networks in Nanorod Composites and Power Grids. Professors Peter J. Mucha and M. Gregory Forest.

Xuan Wang, *Statistics and Operations Research,* Some Asymptotic Problems for Dynamical Random Graphs. Professors Shankar Bhamidi and Amarjit Budhiraja.

Melea Anne Ward, *Pharmaceutical Sciences,* A Comparative Effectiveness Analysis of Patients Newly Initiating Tyrosine Kinase Inhibitor Therapy for Chronic Myeloid Leukemia. Professor Susan J. Blalock.

Susan Wei, *Statistics and Operations Research,* Latent Supervised Learning and DiProPerm. Professors Michael R. Kosorok and James S. Marron.

Christopher Jason Wells, *Musicology,* "Go Harlem": Chick Webb and His Dancing Audience During the Great Depression. Professor David F. Garcia.

Jacqueline M. White, *Ecology,* The Impacts of Altered Floodplain Hydrology of the Lower Roanoke River on Tree Regeneration and Floodplain Forest. Professor Robert K. Peet.

Jessica C. Wilkerson, *History,* Where Movements Meet: From the War on Poverty to Grassroots Feminism in the Appalachian South. Professor Jacquelyn Hall.

Rex Lee Williams, *Genetics and Molecular Biology,* Allele-Specific Chromosome Conformation and Its Association with Allelic Expression Bias. Professor Terry R. Magnuson.

Brandon Kyron Winford, *History,* "The Battle for Freedom Begins Every Morning": John Hervey Wheeler, Civil Rights and New South Prosperity. Professor James L. Leloudis.

Serena Suzette Witzke, *Classics,* Reading Greek and Roman New Comedy Through Oscar Wilde's Society Plays. Professor Sharon L. James.

Tiantian Yang, *Sociology,* How Do Organizations Shape Entrepreneurship? Explaining Employee Entrepreneurs' Entry and Performance. Professor Howard E. Aldrich.

Kyunghee Yang, *Pharmaceutical Sciences,* Mechanisms of Drug-Induced Liver Injury: The Role of Hepatic Transport Proteins. Professor Kim L.R. Brouwer.

Han Ye, *Statistics and Operations Research,* Data-Driven Service Operations Management. Professor Haipeng Shen.

Hengchin Yeh, *Computer Science,* Adaptive Modeling of Details for Physically Based Sound Synthesis and Propagation. Professor Ming C. Lin.

Sindhu M. Zagoren, *Communication Studies,* Media Infrastructure: Access, Mobility and Social Formations. Professor Lawrence Grossberg.

Jose Zavala Mendez, *Environmental Sciences and Engineering,* Development of an Electrostatic Air Sampler as an Alternative Method for Aerosol In Vitro Exposure Studies. Professor J. Jason West.

Lu Zhang, *Oral Biology,* NLRC3 is a Negative Regulator of DNA-Induced Immune Response. Professor Jenny P.-Y. Ting.

Zhuzhu Zhang, *Bioinformatics and Computational Biology,* The Influence of Chromatin State on Pluripotency, Translocations and Gene Regulation in Human Cells. Professor Terrence S. Furey.

Ni Zhao, *Biostatistics,* Kernel Machine Methods for Analysis of Genomic Data from Different Sources. Professor Michael C. Wu.

Yu Zheng, *Computer Science,* Locomotion and Balance Control of Humanoid Robots with Dynamic and Kinematic Constraints. Professors Katsu Yamane and Ming C. Lin.

Jing Zhou, *Materials Science,* Lithography and Reversible Shape Memory. Professor Sergei Sheiko.

Jing Zhou, *Biostatistics,* Nonparametric Bayes Methods for High Dimensional Data and Group Sequential Design for Longitudinal Trials. Professor Amy H. Herring.

Bharathi Jayanthi Zvara, *Psychology,* A Study of Family Risk Contexts and Child Conduct Problems Among Rural, Low Income Families. Professor Martha J. Cox.

DOCTOR OF PUBLIC HEALTH

Erica M. Haney, *Maternal and Child Health,* Examining Measure of Instability, Sexual Debut, and Depression Screening Among Adolescents in Zimbabwe. Professor Kavita Singh.

Jennifer A. Ludovic, *Health Policy and Management* , The Patient Protection and Affordable Care Act: The Evolving Role of State Sexually Transmitted Disease Programs. Professor Sandra B. Greene.

Katherine Fox Nagel, *Health Policy and Management,* Local Implementation of Federal Strategic Plans: The Role of the Health Care for the Homeless Program in Opening Doors. Professor Thomas C. Ricketts.

Deborah Paone, *Health Policy and Management,* Implementation of Evidence-Based Practice in Two States: Lessons from the Chronic Disease Self-Management Program. Professor George Pink.

Lilian Pedrosa Heffernan, *Health Policy and Management,* Absorptive Capacity for Global Fund Grants: Lessons for the International Community. Professor Bryan Weiner.

Patricia Marie Pozella, *Health Policy and Management,* Strategies for Increasing EGFR Mutation Testing of Patients with Non-Small Cell Lung Cancer. Professors Sue Havala Hobbs and Edward Brooks.

Lynne Scott Safrit, *Health Policy and Management,* The Intersection of Academia and Industry: Avoiding Pitfalls and Navigating Successful Partnerships. Professor John E. Paul.

Yunfei Wang, *Biostatistics,* Dose-Finding Designs for Phase I Clinical Trials in Oncology and Use of Selective Phenotyping to Increase Power of Genetics Association Studies. Professors Anastasia Ivanova and Ethan M. Lange.

Stephanie N. Watson-Grant, *Health Policy and Management,* Measuring Country Ownership and Its Relationship to Health Outcomes: The Case of Liberia. Professor Sandra B. Greene.

Mollie Melissa Williams, *Health Policy and Management,* Formative Research for the Development of Strategies to Increase Dual Method Use Among Adolescents and Young Adults. Professor Suzanne Havala Hobbs.

Amy Funk Wolkin, *Health Policy and Management,* Reducing Public Health Risk During Disasters: Identifying Social Vulnerabilities. Professor Sandra B. Greene.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Dekel Jonte' Hill, *Educational Leadership,* The Impact of PBIS on Black Students: Achievement and Behavior. Professor Kathleen Brown.

Christopher Todd Lofrese, *Educational Leadership,* A Case Analysis of a Suburban North Carolina Public School System's Elementary School Level Redistricting Outcomes. Professor Eric A. Houck.

GRADUATE DEGREES

August 2013 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Arnie Paul Aldridge, *Economics,* Labor Market Outcomes of Individuals in Recovery from Addiction to Alcohol. Professor Donna B. Gilleskie.

Lakulish Shailesh Antani, *Computer Science,* Interactive Sound Propagation Using Precomputation and Statistical Approximations. Professor Dinesh Manocha.

Andrea Anton Gamazo, *Ecology,* Ecology and Evolution of the Lionfish Invasion of Caribbean Coral Reefs: Resistance, Adaptation and Impacts. Professor Charles H. Peterson.

Rachael Ann Baker, *Biochemistry and Biophysics,* Diverse Mechanisms of G Protein Regulation by Monoubiquitination. Professors Henrik Dohlman and Sharon Campbell.

Kevin Kumar Banda, *Political Science,* Candidate Strategy and Assessment During Election Campaigns. Professor Thomas M. Carsey.

Lydia Marie Barrigan, *Microbiology and Immunology,* Immune Evasion Strategies Utilized By Francisella Tularensis. Professor Jeffrey Frelinger.

Jonathan Tabler Bartels, *Education,* New Literacies Practices of Early Career English Teachers: From Digital Spaces to the Classroom. Professor Cheryl Mason Bolick.

Kirston Mandy Lang Barton, *Microbiology and Immunology,* Targeting the Class I HDACS to Disrupt Quiescent HIV-1 Proviruses. Professor David Margolis.

Carolina Batis Ruvalcaba, *Nutrition,* Dietary Pattern Trajectories Over Time and Diabetes Among Chinese Adults. Professor Barry Popkin.

Keesha Lashon Benson, *Social Work,* When and Where I Enter: Examining the Influence of Personal, Relational and Contextual Factors on Nonresidential African American Father Involvement. Professor Iris Carlton-LaNey.

Matthew Edward Berginski, *Biomedical Engineering,* Application of Bioimage Informatics to Quantification of Focal Adhesions and Invadopodia. Professor Shawn M. Gomez.

Anne Karen Berler, *History,* A Most Unpleasant Part of Your Duties: Military Occupation of Four Southern Cities, 1861–1865. Professor William L. Barney.

Noah Chase Berman, *Psychology,* Developmental Experiences in the Prediction of Thought Action Fusion: Contribution of Religious, Familial and Stress Factors. Professor Jonathan S. Abramowitz.

Sara Boeding, *Psychology,* Roles and Postpartum Distress: Relationship Adjustment as a Mediator. Professor Don Baucom.

Meagan Bolles, *Microbiology and Immunology,* Evaluations of Severe Acute Respiratory Syndrome Coronavirus Therapeutics and a Viral Capacity for Plasticity and Escape. Professor Ralph Baric.

Kathleen Crawford Boyle, *Romance Languages and Literatures,* From Iberian Innovation to Sardinian Appropriation: Breaking Down Giovanni Delogu Ibba's Index libri vitae. Professor Edward D. Montgomery.

Maggie Hood Bromberg, *Psychology,* An Electronic Daily Diary Study of Sleep Quality, Pain, and Emotion Regulation in Children with Juvenile Idiopathic Arthritis. Professor Karen M. Gil.

Andrew Thomas Brusoe, *Chemistry,* Enantioselective [2+2+2] Cycloadditions of Ene-Allenes and Allenes. Professor Erik J. Alexanian.

Laurel May Burk, *Physics,* Development of a Carbon Nanotube-Based Micro-CT and Its Applications in Preclinical Research. Professor Otto Z. Zhou.

Ezequiel Rodrigo Cabezon, *Economics,* Essays on Monetary Policy in Open Economies. Professor Richard Froyen. Wendy Camelo Castillo, Epidemiology, Pharmacological Treatment of Gestational Diabetes and Association with Adverse Maternal and Neonatal Outcomes. Professor Michele Jonsson Funk.

Luke Campagnola, *Neurobiology,* Mapping the Functional Connectivity of the Mouse Anteroventral Cochlear Nucleus. Professor Paul Manis.

Jordan Memilan Carpenter, *Psychology,* Forewarning, Defensive Strategies, and Narrative Persuasion. Professor Melanie Green.

Angelo Castagnino, *Romance Languages and Literatures,* The Intellectual as a Detective: From Leonardo Sciascia to Roberto Saviano. Professor Federico Luisetti.

Lahnna Isabel Catalino, *Psychology,* Promoting Well-Being Through Prioritizing Positivity. Professor Barbara L. Fredrickson.

Keri Chandler, *Romance Languages and Literatures,* The Nature of Woman: Spanish Women Poets of the 18th and 19th Centuries. Professor Irene Gomez Castellano.

Shengqian Chen, *Mathematics,* Dynamics of Continuously Stratified and Two-Layer Incompressible Euler Fluids and Internal Waves. Professor Roberto Camassa.

Chia-Yi Cheng, *Biology,* The Role of Cytokinin in Female Gametophyte Development in Arabidopsis. Professor Joseph J. Kieber.

Raghav Kumar Chhetri, *Physics,* Polarization-Sensitive Optical Coherence Tomography to Study Diffusion of Plasmonic Gold Nanorods — A Novel Tool for Optical Bioimaging. Professor Amy L. Oldenburg.

Laura L. Christopherson, *Information and Library Science,* OMG! L2spell Online: The Creative Vocabulary of Cyberlanguage s(~_ ☙)--b. Professor Stephanie W. Haas.

Joseph R. Crosswell, *Environmental Sciences and Engineering,* Air-Water CO2 Fluxes in Estuaries: Sources, Sinks and Storms. Professor Hans Paerl.

Nabarun Dasgupta, *Epidemiology,* Opioid Analgesic Prescribing and Overdose Mortality in North Carolina. Professor Steve Marshall.

Christopher Francis Dibble, *Pharmacology,* Defining the Cerebral Cavernous Malformation Protein Signaling Network in Endothelial Cells. Professor Gary L. Johnson.

Kristen Josie Dolan, *History,* Isolating Nazism: Civilian Internment in American Occupied Germany, 1944–50. Professor Konrad H. Jarausch.

Jennifer Donnally, *History,* The Politics of Abortion and the Rise of the New Right. Professor Jacquelyn Hall.

Michael Luca Durando, *Pathology,* Novel Mechanisms Through Which Translesion Synthesis Protects Genome Integrity. Professor Cyrus Vaziri.

Erie Jay Earley, *Biology,* The Genetics of Adaptation in Drosophila Sechellia. Professor Corbin D. Jones.

Joseph Michael Falkowski, *Chemistry,* Metal-Organic Frameworks as Single-Site Asymmetric Catalysts. Professor Wenbin Lin.

Anna Farennikova, *Philosophy,* Seeing Absence. Professor William G. Lycan.

Daniel Fovargue, *Mathematics,* Multiscale and Multiphysics Computational Models of Processes in Shock Wave Lithotripsy. Professor Sorin M. Mitran.

Andrew Justin Freeman, *Psychology,* Age Effects in Manic Symptoms in Pediatric Bipolar Disorder. Professor Eric A. Youngstrom.

Ashley Caroline Freuler, *Occupational Science,* Facing Challenges on Two Fronts: Exploring the Process of Resilience for Military Families Raising a Child with Autism. Professor Grace T. Baranek.

Meridith McGee Fry, *Environmental Sciences and Engineering,* The Impacts of Short-Lived Ozone Precursors on Climate and Air Quality. Professor J. Jason West.

Yilan Fu, *Sociology,* Peer Relations: Peer Influence, Genetic Similarity Among Friends and Friendship Reciprocity. Professor Guang Guo.

Emily Beth Furgang, *Occupational Science,* Engagement of Students With Intellectual and Developmental Disabilities in Postsecondary Education. Professor Ruth Humphry.

Felicia Anne Elizabeth Gibson, *School Psychology,* An Analysis of Parenting Constructs in the National CLIO Study. Professor Barbara H. Wasik.

Paul A. Gilbert, *Health Behavior,* A Mixed-Methods Investigation of Alcohol Use Among Immigrant Sexual and Gender Minority Latinos in North Carolina. Professor Eugenia Eng.

Raphael T. Ginsberg, *Communication Studies,* Victims Deserve the Best: Victims' Rights and the Decline of the Liberal Consensus. Professor Lawrence Grossberg.

Annelies M. Goger, *Geography,* Managing Global Guilt and Local Norms: Governance in the Sri Lankan Clothing Industry. Professor John Pickles.

Shelley D. Golden, *Public Policy,* Employment Fluctuations and Tobacco: How Changing Employment Conditions Impact Smoking Behavior and Cigarette Tax Policy. Professor Krista M. Perreira.

Raul Alexander Gonzalez, *Environmental Sciences and Engineering,* Tools for Predicting Microbial Water Quality in Estuaries Used for Recreation and Shellfish Harvesting. Professor Rachel T. Noble.

Euan Drew Griffiths, *Comparative Literature,* Varieties in Translation: Adaptation and Translation Between French and English Arthurian Romance. Professor Edward D. Kennedy.

Allison K. Groves, *Health Behavior,* Prevalence and Trajectories of Intimate Partner Violence Among South African Women During Pregnancy and the Postpartum Period. Professor Suzanne Maman.

Patrick C. Guley, *Pharmaceutical Sciences,* Serum Albumin as a Carrier of Immunostimulatory Oligodeoxynucleotides for Cancer Therapy. Professor Moo J. Cho.

Fatma Bursa Gunay, *Economics,* Competition in Markets with Network Externalities. Professor Gary Biglaiser.

Michael John Hadsell, *Physics,* The Development and Characterization of a First Generation Carbon Nanotube X-Ray Based Microbeam Radiation Therapy System. Professor Otto Z. Zhou.

Courtney Sara Mathews Hadsell, *Physics,* Surface Science Studies on Titania for Solar Fuel Applications. Professor Yue Wu.

Megan Beth Harney, *Psychology,* The Influence of Fasting, Affect and Body Dissatisfaction on Set Shifting Ability. Professor Anna Bardone-Cone.

Bridgid Elizabeth Hast, *Cell and Developmental Biology,* Mechanisms Controlling the KEAP1-NRF2 Signaling Pathway in Lung Cancer. Professor Michael Benjamin Major.

Cassidy E. Henegar, *Epidemiology,* Maternal Response to Antiretroviral Therapy in Johannesburg, South Africa: Adherence and Drug Toxicities. Professor Annelies Van Rie.

Gregory Joseph Herschlag, *Mathematics,* Continuum-Atomistic Algorithms for Dendritic Formation. Professor Sorin Mitran.

Isaac Blair Hilton, *Genetics and Molecular Biology,* Small and Large-Scale Gene Regulation in Kaposi's Sarcoma-Associated Herpesvirus. Professor Dirk P. Dittmer.

Carly Kaye Hoffend, *School Psychology,* The Relationship Between the Proportion of Native American Adolescents in Schools and Socio-Emotional Functioning. Professor Barbara H. Wasik.

April Latoya Holland, *Chemistry,* Single-Channel Recording of Biological Targets Using Surface Modified Nanochannels. Professor John M. Ramsey.

Steven John Holochwost, *Psychology,* Cumulative Risk, Parenting Behaviors, and the Development of Executive Functions in Early Childhood: A Role for Physiological Self-Regulation? Professor Jean-Louis Gariepy.

Thomas Merryfield Jarrett, *Neurobiology,* Role of Rodent Vocalizations in Cocaine-Induced Maternal Neglect. Professor Josephine M. Johns.

Melissa Mckeown Jenkins, *Psychology,* Cognitive De-Biasing and the Assessment of Pediatric Bipolar Disorder. Professor Eric A. Youngstrom.

Finith Ewin Jernigan, *Chemistry,* Synthesis and Development of Proteasome and Kinase Fluorescent Assays for Quantitation of Enzyme Activity. Professor David S. Lawrence.

Dari Jigjidsuren, *Social Work,* School Readiness: Does It Matter If Parents and Caregivers Think Alike? Professor Kathleen Rounds.

Jennifer Grace Job, *Education,* Their World Cracked Open: Theorizing Shelter in 9/11 Curricula. Professor Lynda Stone.

Jill E. Johnston, *Environmental Sciences and Engineering,* Assessing Exposure to Chlorinated Solvents from the Subsurface to Indoor Air Pathway. Professor Jacqueline MacDonald-Gibson.

Erin R. Kaltenbrun, *Biology,* Molecular Determinants of Tbx20 Activity During Cardiac Development. Professor Frank Conlon.

Gazi Ishak Kara, *Economics,* Essays on International Financial Regulation. Professor Anusha Chari.

David C. Kessler, *Biostatistics,* Bayesian Nonparametric Methods for High-Dimensional Data. Professor Amy Herring.

Julia Khanova, *Information and Library Science,* Role of Online Teaching Experience in Pedagogical Innovation in LIS Education: An Activity-Theoretical Analysis. Professor Gary Marchionini.

Soyoung Kim, *Biostatistics,* More Efficient Estimators for Case-Cohort Studies With Univariate and Multivariate Failure Times. Professor Jianwen Cai.

Amber Rose Knight, *Political Science,* Disabling Political Theory: Essays at the Intersection of Political Theory and Disability Studies. Professors Michael Lienesch and Susan Bickford.

Mary Elizabeth Kohn, *Linguistics,* Adolescent Ethnolinguistic Stability and Change: A Longitudinal Study. Professor Elliott Moreton.

Bo Ram Kwon, *Political Science,* The Effectiveness of Sanctions Revisited: An Empirical Analysis Using a Bargaining and Enforcement Framework. Professor Navin A. Bapat.

Kristen Elizabeth Lacefield, *English,* Mary Shelley's Novels, the Guillotine, and Contemporary Horror Film. Professor Beverly Taylor.

Wonyul Lee, *Statistics and Operations Research,* New Statistical Learning Methods for Multiple High Dimensional Datasets. Professor Yufeng Liu.

Patricia Marie Lenhart-Pendergrass, *Cell and Molecular Physiology,* Adrenomedullin and Receptor Activity Modifying Protein 3 in Women's Health. Professor Kathleen M. Caron.

Shannon M. Lewis, *School Psychology,* A Comparative Study of School-Based Interventions for Students With Emotional Disabilities, Specific Learning Disabilities and Other Health Impairments. Professor Rune J. Simeonsson.

Haohan Li, *Computer Science,* Scheduling Mixed-Criticality Real-Time Systems. Professor Sanjoy K. Baruah.

Ja-An Lin, *Biostatistics,* Statistical Methods for Imaging Genetic Data, Professors Hongtu Zhu and Joseph G. Ibrahim.

Cong Liu, *Computer Science,* Efficient Design, Analysis, and Implementation of Complex Multiprocessor Real-Time Systems. Professor James H. Anderson.

Dongyun Liu, *Pharmaceutical Sciences,* Water-in-Oil Microemulsions and Hydrogel Nanoparticles in Water-in-Oil Microemulsions for Local Intestinal Delivery of Peptides and Proteins. Professor Russell J. Mumper.

Yingchi Liu, *Physics and Astronomy,* Optical Profile and Nanostructure Effects in the Charge Carrier Transport and Performance of Photovoltaic Devices. Professor Rene Lopez.

Christina Defilippo Mack, *Epidemiology,* Improving the Validity of Nonexperimental Comparative Effectiveness Research: The Impact of Calendar Time on Prescribing of Novel Chemotherapeutic Therapies for Stage III Colon Cancer. Professor Til Stürmer.

Michael John Maher, *Romance Languages and Literatures,* Luigi Pulci and Laurentian Florence: "Contra hypocritas tantum, pater, dissi". Professor Ennio I. Rao.

Alyssa Julia Manning, *Biology,* Regulation of Epithelial Morphogenesis by the Drosophila Folded Gastrulation Signaling Pathway. Professor Stephen L. Rogers.

James D. Martindale, *Mathematics,* A Soft-Magnetic Slender Body in a Highly Viscous Fluid. Professors Roberto Camassa and Richard McLaughlin.

Leanna Rose Mcdonald, *Biochemistry and Biophysics,* Towards Understanding the Mechanisms of Allostery: The Investigation of the Relationship Between Dynamics, Structure, and Function in the Model Allosteric Protein CheY. Professor Andrew L. Lee.

Keith Russell Miller, *Biochemistry and Biophysics,* Use of T Cell Receptor-Like Antibody Fragments for Imaging and Immunotherapy. Professor Edward J. Collins.

Leonardo Fabio Morales Zurita, *Economics,* Obesity and Health-Related Decisions: An Empirical Model of Weight Status for Young Adults in the U.S. Professor David Guilkey.

Racha Moussa, *Economics,* Essays in Sovereign Default and International Financial Liberalization. Professor Anusha Chari.

Metello Mugnai, *Romance Languages and Literatures,* Religion Reconsidered: The Gospel according to the Italian 20th Century. Professor Federico Luisetti.

Carl Misha Najdek, *Political Science,* Creating Democratic Culture: Identity, Political Renewal and Internationalism in Walt Whitman's Political Thought. Professor Michael Lienesch.

Amanda Jane Natalizio, *Genetics and Molecular Biology,* Identification and Characterization of Drosophila Snurportin Reveals a Role for the Import Receptor Moleskin/Importin7 in snRNP Biogenesis. Professor A. Gregory Matera.

Lauren Michelle Neighbours, *Microbiology and Immunology,* The Protective and Pathologic Roles of Toll-Like Receptors in Arthritogenic Alphavirus Infection. Professor Mark T. Heise.

Michael Ryan Norris, *Chemistry,* Making Molecules for Light-Driven Water Splitting. Professors Joseph L. Templeton and Thomas J. Meyer.

Scott Christopher O'brien, *Political Science,* Alienation, Ambivalence, and Scorekeepers: Three Essays on Public Opinion Formation in American Politics. Professor Thomas M. Carsey.

Harold Reed Ogrosky, *Mathematics,* Modeling Liquid Film Flow Inside a Vertical Tube. Professors Roberto Camassa and Greg Forest.

Kathryn Ann Ohle, *Education,* Hearing Their Voices: Examining Teacher Perceptions During the Implementation of an Instructional Policy. Professor Lynne Vernon-Feagans.

Emily Victoria Olson, *Art History,* Contextualizing Roman Honorific Monuments: Statue Groups of the Imperial Family from Olympia, Ephesus and Leptis Magna. Professor Mary C. Sturgeon.

Kennedy O. Onori, *Nursing,* Nursing Diagnoses in the Care of Hospitalized Patients with Type 2 Diabetes Mellitus: Pattern Analysis and Correlates of Health Disparities. Professor Edward J. Halloran.

Andrea Overbay, *Mathematics,* Perturbative Expansion of the Colored Jones Polynomial. Professor Lev Rozansky.

Semra Ozdemir, *Environmental Sciences and Engineering,* Measuring the Economic Value of Government Programs: An Application to Early-Childhood Interventions. Professor Dale Whittington.

Michael S. Parrott, *Journalism and Mass Communication,* An Examination of the Use of Disparagement Humor in Online TV Comedy Clips and the Role of Audience Reaction in Its Effects. Professor Rhonda Gibson.

Mehul D. Patel, *Epidemiology,* Emergency Medical Services Capacity for Prehospital Care of Stroke Patients in North Carolina. Professor Wayne D. Rosamond.

Sachin Patil, *Computer Science,* Closed-Loop Planning and Control of Steerable Medical Needles. Professor Ron Alterovitz.

Maekenzi Pergolotti, *Occupational Science,* Older Adults with Cancer: Participation in Activity and the Utilization of Occupational Therapy. Professor Malcolm Cutchin.

Eliza Jane Reader Peterson, *Biochemistry and Biophysics,* Evolution and Prevention of Antibiotic Resistance: Small Molecule Inhibitors of Bacterial Recombination Enzymes. Professor Scott F. Singleton.

Ryan Matthew Phillips, *Pharmacology,* Development of a Novel Assay of Protein Tyrosine Phosphatase Activity in Single Cells Using Capillary Electrophoresis. Professor Nancy L. Allbritton.

Laurie Marie Phillips, *Journalism and Mass Communication,* A Multi-method Examination of Race, Class, Gender, Sexual Orientation and Motivations for Participation in the YouTube-Based "It Gets Better Project." Professor Daniel Riffe.

Carmen M. Piernas Sanehez, *Nutrition,* Low Calorie-and Caloric-Sweeteners: Diet Quality, Food Intake and Purchase Patterns of U.S. Household Consumers. Professor Barry M. Popkin.

Emily Margot Pisetsky, *Psychology,* Factors Associated with Suicide Attempts in Women with Eating Disorders. Professor Cynthia M. Bulik.

Jessica Sarah Powell, *Education,* " You Don't Just Stay in One Place": The Intergenerational Pedagogy of Two African American Families in the South. Professor George Noblit.

Raju Yashaswi Prasad, *Environmental Sciences and Engineering,* Effect of the Nano-Bio Interface on the Genotoxicity of Titanium Dioxide Nanoparticles and Associated Cellular Responses. Professor Rebecca C. Fry.

Wayne A. Psek, *Health Policy and Management,* Organizational Level Factors Affecting Health Care Outcomes in VA Emergency Departments: A Configurational Approach. Professor Bryan Weiner.

Ashleigh Wells Raabe, *Art History,* Image, Space, and Social Ritual: The 'Second Style' Decorations of the House of the Cryptoporticus at Pompeii. Professor Mary C. Sturgeon.

Kristen Michelle Rappazzo, *Epidemiology,* Exposure to Particulate Matter Mass and Species During Pregnancy and Risk of Birth At Preterm Gestational Ages. Professor Julie L. Daniels.

Aaron Hugh Rateliffe, *Business Administration,* Operating on Quality, Access, and Cost: Managing Better Health Systems. Professors Ann Marucheck and Wendell Gilland.

Allison B. Ratto, *Psychology,* The Impact of Cultural Factors on the Diagnostic Process in Autism: A Comparison of Latina and European American Mothers. Professor J. Steven Reznick.

Pamela Mullins Reaves, *Religious Studies,* Gnosis, Witness, and Early Christian Identities: The "True" Martyr in Clement of Alexandria and Gnostic Traditions. Professor Bart D. Ehrman.

Jeffrey William Riehey, *History,* Playing At Nation: Soccer Institutions, Racial Ideology, and National Integration in Argentina, 1912–1931. Professor John C. Chasteen.

Erica Lynn Riehman, *Social Work,* The Academic Success of College Students with Attention Deficit Hyperactivity Disorder and Learning Disabilities. Professor Sheryl Zimmerman.

Catharina Win Ringer, *Education,* Learning to Assess and Assessing to Learn: A Descriptive Study of a District-Wide Mathematics Assessment Implementation. Professor Susan N. Friel.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Reid Austin Roberts, *Microbiology and Immunology,* Harnessing What Lies Within: Programming Immunity With Biocompatible Devices to Treat Human Disease. Professors Jenny Ting and Joseph M. DeSimone.

Sheila Serr Roszell, *Nursing,* Measuring Lean Management Penetration on the Hospital Nursing Frontline: Instrument Development. Professor Mary R. Lynn.

Jeremy Alan Sabourin, *Statistics and Operations Research,* LASSO-Based Resample Model Averaging for Genetic Association Studies. Professors Andrew B. Nobel and William Valdar.

Alison P. Sanders, *Environmental Sciences and Engineering,* Environmental Metals and Birth Defects: New Approaches to Understanding the Role of Metals in Congenital Heart Defects. Professor Rebecca C. Fry.

Robert Austin Sapp, *Romance Languages and Literatures,* Family Narratives and the Transmission of Heritage in Transcultural Novels. Professor Dominique Fisher.

Julianne Denice Schmidt, *Human Movement Science,* The Influence of the Cervical Musculature, Visual Performance, and Anticipation on Head Impact Severity in High School and Collegiate Football. Professor Kevin M. Guskiewicz.

Stephanie A. Schmitt, *Public Policy,* Assessment and Rankings Efforts: The Effect on Institutional and Program-Level Change. Professor Maryann P. Feldman.

Robert Nathaniel Schuck, *Pharmaceutical Sciences,* Translational Characterization of Arachidonic Acid Metabolism in Vascular Inflammation and Cardiovascular Disease. Professor Craig R. Lee.

Virginia Senkomago, *Epidemiology,* The Role of Human Papillomavirus (HPV) Viral Load in Penile HPV Infection and Clearance Among Young Kenyan Men. Professor Jennifer S. Smith.

John Thomas Sheridan, *Cell and Molecular Physiology,* Characterizing Calcium-Activated Chloride Secretion: Implications for Sex-Linked Variations in Cystic Fibrosis. Professor Robert Tarran.

Feng Shi, *Mathematics,* Modeling Networks and Dynamics in Complex Systems: From Nano-Composites to Opinion Formation. Professors Peter J. Mucha and M. Gregory Forest.

James Sias, *Philosophy,* Emotion, Virtue and Moral Perception: A Defense of Moral Intuitions. Professor Robert M. Adams.

Meredith Nicole Sinclair, *Education,* Reading Experience: A Phenomenological Inquiry into Reading as "Not a Reader." Professor Madeleine Grumet.

Ashley Rebecca Smyth, *Marine Sciences,* Alterations in Nitrogen Cycling Resulting From Oyster Mediated Benthic-Pelagic Coupling. Professor Michael F. Piehler.

Christopher D. Sproul, *Toxicology,* Biological Responses to Ultraviolet Radiation and the Effect of Intra-S Checkpoint Inhibition on Ultraviolet Radiation-Induced Mutagenesis. Professor Marila Cordeiro-Stone.

Anne P. Starling, *Epidemiology,* Perfluoroalkyl Substances in Pregnancy and the Risk of Preeclampsia. Professor Stephanie M. Engel.

Anne Steinberg, *Romance Languages and Literatures,* Le Conte au 18e Siècle: Pour une Nouvelle Esthetique. Professor Philippe H. Barr.

Blaire Janell Steinwand, *Biology,* The Role of the FEI Receptor Kinases in the Regulation of Cell Wall Function in Arabidopsis thaliana. Professor Joseph J. Kieber.

Deonni Pamela Stolldorf, *Nursing,* The Sustainability of Innovations in Hospitals: A Look at Rapid Response Teams. Professor Cheryl B. Jones.

Natasha Tiffany Strande, *Biochemistry and Biophysics,* Characterizing Ku's Role as an AP lyase in Nonhomologous End Joining. Professor Dale A. Ramsden.

Kelly Kathryn Strutz, *Maternal and Child Health,* The Effects of Early Life Factors and Preconception Stress on Birth Weight in a National Sample of U.S. Women. Professor Jon M. Hussey.

Jonathan Adam Sugam, *Psychology,* The Role of Cellular and Chemical Signaling Within the Nucleus Accumbens in Value-Based Decision Making Behaviors. Professor Regina M. Carelli.

Heather Anne Sullivan, *Political Science,* Managing Dissent: State Capacity, Democracy, and Contentious Politics in Mexico. Professors Evelyne Huber and Graeme Robertson.

Jennifer Supp-Montgomerie, *Religious Studies,* Making a World for America: Electric Communication, Expansive Protestantism, and Globalization in the 19th Century. Professor Randall Styers.

Amy Elizabeth Swain, *Education,* Do We Want the Canary to Sing? Thinking Alternatively About Alternative Education. Professor George W. Noblit.

Carolyn Samuel Taylor, *Business Administration,* Three Essays on Advertising, Customer Satisfaction and Customer Loyalty. Professor Katrijn Gielens.

Kristina S. Ten Haagen, *School Psychology,* Relationship Among Housing Quality, Food Insecurity, Social Service Needs, Domestic Violence, and Mental Health Needs of Children and Families. Professor Rune J. Simeonsson.

Khadija R. Turay, *Maternal and Child Health,* Body Mass Index and Self-Perceived Weight: Are They Associated With Sexual and Relationship Health? Professor Carolyn T. Halpern.

Jillian Tyrrell, *Chemistry,* Effect of Macromolecular Crowding on the Structure and Function of a Riboswitch Aptamer in Cells and In Vitro. Professor Gary J. Pielak.

Rycel Lim Uy, *Chemistry,* Structure-Property Optimizations of Semiconducting Polymers for Organic Solar Cells. Professor Wei You.

Tanya Vacharkulksemsuk, *Psychology,* Stepping Toward Collective Mindsets: An Investigation of Group-and Leader-Based Synchrony in Work Teams. Professor Barbara L. Fredrickson.

Anna Robinson Van Meter, *Psychology,* Does a Sensitive Palate Beget Sensitive Mood? The Relation Between Supertasting and Disordered Mood. Professor Eric A. Youngstrom.

Javier Velasco-Martin, *Information and Library Science,* Exploring Self-Disclosure in Online Social Networks. Professor Gary Marchionini.

Sherry Antoinette Venere, *Romance Languages and Literatures,* Armas y Letras: Santillana and the Forging of a New Chivalric Ideal. Professor Frank Dominguez.

Brandon Grant Wagner, *Sociology,* Correlates and Contexts of Sexual Infidelity in American Adults. Professor Kathleen Harris.

Pitchpatu Waiyachote, *Journalism and Mass Communication,* A Comparison of Interactions on Facebook Brand Pages Between Global Brands and Publics in Individualistic and Collectivistic Countries. Professor Lois A. Boynton.

Cheng Wang, *Chemistry,* Framework Materials for Solar Energy Utilization. Professor Wenbin Lin.

Tiffany Renee Washington, *Social Work,* Older Adult Kidney Disease Self-Management Behaviors and Their Relationship to Depression, Self-Efficacy, Illness Perceptions and Social Support. Professor Sheryl Zimmerman.

Lei Wei, *Computer Science,* Privacy-Preserving Regular Expression Evaluation on Encrypted Data. Professor Michael Reiter.

Charles Hamilton Weir, *Environmental Sciences and Engineering,* Ambient Air Pollution, Allergic Sensitization, Respiratory Outcomes and Symptoms: Findings from the 2005–2006 National Health and Nutrition Examination Survey. Professor William Vizuete.

Brantley Andrew West, *Physics,* Uncovering Molecular Relaxation Processes with Nonlinear Spectroscopies in the Deep UV. Professors Laurie E. McNeil and Andrew M. Moran.

Michael G. Wheaton, *Psychology,* Information Processing and Affective Responses in Hoarding Disorder. Professor Jonathan S. Abramowitz.

Ahmed Whitt, *Social Work,* Impact of the Built Environment on Urban Adolescent Depressive Symptoms. Professor Matthew O. Howard.

Joseph L. Wiltberger, *Anthropology,* Sueños Salvadoreños: Struggles to Build Other Futures in El Salvador's Migration Landscape. Professor Arturo Escobar.

William Kindred Winecoff, *Political Science,* A Complex Political Economy of the Global Banking System. Professor Thomas Oatley.

Katie Jean Wolfe, *Cell and Developmental Biology,* Chaperone Mediated Protective Protein Aggregation and Spatial Quality Control. Professor Douglas M. Cyr.

Jianfeng Yao, *Economics,* Maternal Employment Type, Maternal Care and Child Health in Rural China: Policy and Behavior. Professor John Akin.

Yong Zhang, *Pharmaceutical Sciences,* Transdermal Delivery of a DTPA Penta-ethyl Ester Prodrug for Continuous Decorporation of Transuranic Elements. Professor Michael Jay.

Hang Zhang, *Linguistics,* The Second Language Acquisition of Mandarin Chinese Tones by English, Japanese and Korean Speakers. Professor Jennifer L. Smith.

Yang Zhou, *Microbiology and Immunology,* Mechanisms of Antibody Mediated Neutralization of Dengue Virus. Professor Aravinda M. de Silva.

Kris A. Zorigian, *Education,* The Intersection Between Self-Determination and Motivation of Students With Disabilities: From Student and Teacher Perspectives. Professor Melissa Miller.

Niha Zubair, *Nutrition,* Novel Approach to Examine the Interactive Role of Dietary, Lifestyle, and Genetic Factors on Cardiometabolic Risk. Professor Linda S. Adair.

DOCTOR OF PUBLIC HEALTH

Timothy David Neil King, *Health Policy and Management,* Pharmaceutical Research and Development: A Key Informant Assessment of Whether an "Open-Science" Model Could Improve Clinical Research in Terms of Quality and Efficiency. Professor John E. Paul.

Gregory M. Mayhew, *Biostatistics,* Genotype-Phenotype Similarity Testing and Methods for Integrating Multiple Data Sources in Genetic Association. Professors Fred A. Wright and Fei Zou.

Guochen Song, *Biostatistics,* Enrollment and Stopping Rules for Managing Toxicity in Phase II Oncology Trials With Delayed Outcome. Professor Anastasia Ivanova.

Yi Zhang, *Biostatistics,* Statistical Methods for Evaluating the Diagnostic Accuracy of Incomplete Multiple Tests. Professors Donglin Zeng and Haitao Chu.

GRADUATE DEGREES

December 2013 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Melissa Sue Anderson, *Microbiology and Immunology,* Development of Sociomicrobial Communities: Contact Dependent Growth Inhibition in Burkholderia. Professor Peggy A. Cotter.

Benjamin Christopher Bagley, *Philosophy,* Improvisational Agency. Professor Susan Wolf.

Anna Marie Belle, *Chemistry,* Exploring Local Neuronal Circuitry with Controlled Iontophoresis. Professor R. Mark Wightman.

Stephanie Elaine Bettis, *Chemistry,* Utilizing Ultrafast Spectroscopy to Characterize Energy and Electron Transfer in Ru II Based Molecular Assemblies Designed for Solar Fuel Devices. Professor John Papanikolas.

Lauren V. Biddle, *Political Science,* Corruption in Democratic Brazil. Professor Jonathan Hartlyn.

Will Boone, *Musicology,* Hearing Faith: Musical Practice and Spirit-Filled Worship in a Contemporary African American Church. Professor Jocelyn R. Neal.

Jason Lee Bremner, *City and Regional Planning,* Population Mobility and Livelihood Diversification Among Indigenous Peoples of the Ecuadorian Amazon. Professor Richard E. Bilsborrow.

Naomi Chana Brownstein, *Biostatistics,* Analysis of Time-to-Event Data, Intermediate Phenotypes, and Sparse Factors in the OPPERA Study. Professors Jianwen Cai and Eric Bair.

Ryan Matthew Bullis, *Pharmaceutical Sciences,* Investigating the Role of N-deacetylase/N-sulfotransferase 2 in Heparin Biosynthesis. Professor Jian Liu.

Ryan C. Burk, *Economics,* Technology Upgrading in Imperfectly Competitive Markets. Professor Brian McManus.

Andrea Elizabeth Byrnes, *Biostatistics,* Quantitative Methods for Evaluating Association Between Multiple Rare Genetic Variants and Complex Human Traits. Professor Yun Li.

Ezequiel R. Cabezon, *Economics,* Essays on Monetary Policy in Open Economies. Professor Richard Froyen.

Luke Campagnola, *Neurobiology,* Mapping the Functional Connectivity of the Mouse Anteroventral Cochlear Nucleus. Professor Paul B. Manis.

Johnavae Elaine Campbell, *Education,* The Impacts of Using a Collaborative Evaluation Approach in Higher Education: A Case Study of Local YMCAs Providing College Access Services. Professor Rita O'Sullivan.

Reginald Devon Cannady, *Neurobiology,* Alcohol Self-Administration and Relapse-Like Behavior: A Functional Role for Enhanced Activity at AMPA Receptors. Professors Clyde W. Hodge and Joyce Besheer.

Whitney P. Caron, *Pharmaceutical Sciences,* The Mononuclear Phagocyte System as a Phenotypic Probe for Nanoparticle Pharmacokinetics and Pharmacodynamics in Preclinical and Clinical Systems. Professor William C. Zamboni.

Avery Ted Cashion, *Biomedical Engineering,* Instrumentation Approaches to Biological System Assessment, Guided MSC Differentiation, and Functional Tissue Engineering. Professor Robert G. Dennis.

Kai Chen, *Chemistry,* A Biomimetic Approach Toward Red Blood Cell Substitutes Based on Print Hydrogels. Professor Joseph M. DeSimone.

Mary Elizabeth Basile Chopas, *History,* Law, Security and Ethnic Profiling: Italians in the United States During World War II. Professor Wayne E. Lee.

Chen-Rui Chou, *Computer Science,* Regression Learning for 2D/3D Image Registration. Professor Stephen M. Pizer.

Kevin Chu, *Pharmaceutical Sciences,* PRINT® Nanoparticle Parameters to Improve Docetaxel PK/PD. Professor Joseph M. DeSimone.

Pei-Hsuan Chu, *Pharmacology,* Dissecting the Role of Kinase Isoforms Using New Tools for Activation and Inactivation of Kinases In Vivo. Professor Klaus M. Hahn.

Wonil Chung, *Biostatistics,* Bayesian Parametric and Nonparametric Methods for Multiple Quantitative Trait Loci (QTL) Mapping and SNP-Set Analysis. Professor Fei Zou.

Jennifer J. Clark, *Biostatistics,* Estimation and Hypothesis Testing with Additive Kernel Machines for High-Dimensional Data. Professor Michael Wu.

Elizabeth Jane Cline, *Chemistry,* Application of Dynamic Combinatorial Chemistry to Identify New Compounds that Bind to G-Quadruplex DNA. Professor Marcey L. Waters.

Caitlin Collins, *Cell and Molecular Physiology,* Understanding PECAM-1-Mediated Mechanotransduction: From The Protein to the Vessel. Professor Ellie Tzima.

Jason Brian Cook, *Neurobiology,* Ethanol Alters the GABAergic Neuroactive Steroid (3á,5á)-3-Hydroxypregnan-20-One (3á,5á-THP or Allopregnanolone) at Local Brain Sites: Significance of Local 3á,5á-THP Increases in the Ventral Tegmental Area. Professor A. Leslie Morrow.

Michael Thomas Corbett, *Chemistry,* Complexity-Building Deracemization and Desymmetrization Methodologies. Professor Jeffrey S. Johnson.

Evan Andrew Couzo, *Environmental Sciences and Engineering,* Air Quality Models and Unusually Large Ozone Increases: Identifying Model Failures, Understanding Environmental Causes, and Improving Modeled Chemistry. Professor William Vizuete.

Taoran Cui, *Physics and Astronomy,* Structural and Physical Properties of Torsional Carbon Nanotube Devices by Electron Diffraction and Microscopy. Professors Sean Washburn and Lu-Chang Qin.

Tianqu Cui, *Environmental Sciences and Engineering,* Secondary Organic Aerosol Formation from Alpha-Pinene and Toluene: Laboratory Studies Examining the Role of Pre-Existing Particles, Relative Humidity and Oxidant Type. Professor Jason D. Surratt.

Tim Cupery, *Sociology,* Government Involvement in Religion: Causes and Effects of Open Religious Markets. Professor Kenneth A. Bollen.

Matthew Kyle Daddysman, *Chemistry,* Fluorescent Microscopy in the Nucleus: Investigating Protein Diffusion and Binding in Live Cells. Professor Christopher J. Fecko.

Stephen Michael Daigle, *Physics and Astronomy,* Low Energy Proton Capture Study of the 14N(p, D)15O Reaction. Professor Arthur E. Champagne.

Bryan Shroyer Der, *Biochemistry and Biophysics,* Computational Design of Zinc Binding Sites at Protein Interfaces and Enzyme Active Sites. Professor Brian Kuhlman.

Nicholas Carl Dobes, *Chemistry,* The Isolation of Primary Canine Satellite Cells Utilizing Microarray Technologies. Professor Nancy L. Allbritton.

Darrell R. Dubose, *Pharmacology,* P2Y Receptor Trafficking in Polarized Epithelial Cells. Professor Robert A. Nicholas.

Shellie Dawn Ellis, *Health Policy and Management,* Declining Overuse of Hormone Therapy for Localized Prostate Cancer: Predictors of Reimbursement Responsiveness and Emerging Patterns of Care. Professor William R. Carpenter.

Joseph Erba, *Journalism and Mass Communication,* "That's What They See on TV, That's How They View Our Culture." Exploring the Relationship Between Cultural Identification and Media Representations of Latina/os, and Latino Students' Experiences, Identity Development and Relationship With the University They Attend. Professor Lucila C. Vargas.

Kiely Flanigan, *Communication Studies,* Life as a Work of Art: The Becoming of Professional Management Consultants. Professor Steve May.

Jacob Hershel Forstater, *Physics and Astronomy,* Anomalous Protein Aggregation on Nanotubular Titanium Dioxide. Professor Yue Wu.

Jacob Richard Fowler, *Mathematics,* Rational Homology Disk Smoothing Components of Weighted Homogeneous Surface Singularities. Professor Jonathan Wahl.

David Fragoso Gonzalez, *Economics,* Essays on Applied Information Economics Theory. Professor Gary Biglaiser.

Charles Brandon Frederick, *Biomedical Engineering,* Segmenting the Male Pelvic Organs from Limited Angle Images with Application to ART. Professors David S. Lalush and Stephen M. Pizer.

Lisa Ann Goble, *Public Policy,* Evaluating the Influence of University Organizational Characteristics and Attributes on Technology Commercialization. Professor Maryann P. Feldman.

Qi Gong, *Statistics and Operations Research,* Three Stochastic Models for Order Book Dynamics. Professor Vidyadhar Kulkarni.

Adam David Graez, *Cell and Molecular Physiology,* Intrinsic and Extrinsic Regulation of Potency in the Intestinal Stem Cell Niche. Professor Scott T. Magness.

Beezly Sultana Groh, *Biochemistry and Biophysics,* A Role for the CRL4-WDTC1 E3 Ligase in the Suppression of Adipogenesis. Professor Yue Xiong.

Mahua Guha, *Business Administration,* Dynamics of Organizational Routines in Declining Firms When Compared to Their Matched Survivors: In the U.S. Chemical and Allied Products Industry (SIC: 2800). Professor Hugh O'Neill.

Min Jin Ha, *Biostatistics,* Graphical Models for High Dimensional Genomic Data. Professor Sun Wei. E.

Ashley Hall, *English,* Emergent Design: Tracing and Studying Knowledge Transfer Through Composition Networks. Professor Daniel Anderson.

Hye-Sung Han, *City and Regional Planning,* A Longitudinal Analysis of the Linear and Nonlinear Impacts of Housing Abandonment on Neighborhood Property Values. Professor William M. Rohe.

Katy Margaret Harper, *Psychology,* An Investigation of the Relationship Between Therapist Characteristics and Alliance in Group Therapy for Individuals with Treatment-Resistant Auditory Hallucinations. Professor Davie L. Penn.

Guy Aaron Hobbs, *Biochemistry and Biophysics,* Regulation of Ras and Rho GTPases by Post-Translational Modification: Cysteine Oxidation and Ubiquitination. Professor Sharon L. Campbell.

Jameson Holden, *Biomedical Engineering,* Sensory Perceptual Metrics: Design and Application of Biologically Based Methods for the Assessment of Systemic Cortical Alterations. Professor Mark Tommerdahl.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Patrick Emmet Horn, *English,* Narrative Empathy for "the Other" in American Literature, 1845–1945. Professor Rebecka R. Fisher.

Devin Kerry Hubbard, *Biomedical Engineering,* Electroceutical Technology: Anti-inflammatory Effects of 40-160 T/S Inductively Coupled Electrical Stimulation (ICES) in the Acute Inflammation Model. Professor Robert G. Dennis.

Lauren Parker Huff, *Pharmacology,* Impact of Subcellular Localization on Oncogenic Functions of the RhoGEF Ect2 and on Its Rho GTPase Targets. Professor Adrienne D. Cox.

Danielle N. Johnson, *English,* "I'm Glad I Gave All My Heart": The Fiction of Lee Smith. Professor Minrose C. Gwin.

Adam W. Jordan, *Education,* A Cluster-Analytic Approach to Understanding the Life Values of North Carolina Public Alternative School Teachers. Professor Melissa S. Miller.

Zakaria S. Khondker, *Biostatistics,* Bayesian Penalized Methods for High-Dimensional Data. Professors Joseph G. Ibrahim and Hongtu Zhu.

David William Kikuchi, *Biology,* Mechanisms of Adaptation in Coral Snake Mimicry. Professor David W. Pfennig.

Justin Robert Kirschbrown, *Materials Science,* Direct Imaging of Ultrafast Charge Carrier Dynamics in Semiconducting Nanowires Using Two-Photon Excitation and Spatially Separated Pump-Probe Microscopy. Professor John M. Papanikolas.

Rachel Kitson, *School Psychology,* An Examination of Variations of Verbal Memory Performance in a Population of Children Who Have Been Maltreated. Professor Steve E. Knotek.

Pamela Whitney Klein, *Epidemiology,* An Evaluation of an Expanded HIV Testing Program in North Carolina Sexually- Transmitted Disease Clinics. Professors William C. Miller and Peter A. Leone.

Elizabeth R. Knight, *Neurobiology,* Immune Molecules Regulate Medulloblastoma and Neuronal Apoptosis. Professor Mohanish Deshmukh.

Ahyeon Koh, *Chemistry,* Nitric Oxide-Releasing Polyurethane Membranes for Implantable Electrochemical Glucose Sensors. Professor Mark H. Schoenfisch.

Kimberly Noelle Kutz, *History,* Lincoln's Ghosts: The Posthumous Career of an American Icon. Professor John F. Kasson.

Hillary Anne Langley, *Psychology,* The Socialization of Children's Memory: A Longitudinal Examination of Maternal Elaborative Conversational Style, Children's Autobiographical Memory, and Children's Deliberate Memory Performance. Professor Peter A. Ornstein.

Rylan Scott Larsen, *Cell and Molecular Physiology,* Subtype-Specific Roles for Presynaptic NMDA Receptors in Experience-Dependent Plasticity and Visual Cortical Development. Professor Benjamin D. Philpot.

Hana Lee, *Biostatistics,* Marginal Structural Cox Models with Case-Cohort Sampling. Professors Michael G. Hudgens and Jianwen Cai.

Nelson Lee, *Statistics and Operations Research,* Design and Control of Service Centers. Professor Vidyadhar G. Kulkarni.

Jessica Kate Levy, *Maternal and Child Health,* The Public and Private Sector Family Planning Supply Environments and Their Influence on Contraceptive Use in Urban Nigeria. Professor Sian L.

Curtis. Jiang Li, *Health Behavior,* Understanding Pathways to Weight Loss Among Employees and Organizations Enrolled in the WAY to Health Worksite-Based Weight Loss Study. Professor Laura Linnan.

Rachael Marie Liesman, *Microbiology and Immunology,* Impact of the Non-Structural 2 Protein on Respiratory Syncytial Virus Pathogenesis. Professor Raymond J. Pickles.

Lauren Stone Ligon, *Microbiology and Immunology,* Suppressor Analysis to Identify Proteins that Work with the Mycobacterium smegmatis SecA2 Protein Export System. Professor Miriam Braunstein.

Ja-An Lin, *Biostatistics,* Statistical Methods for Imaging Genetic Data. Professors Hongtu Zhu and Joseph G. Ibrahim.

Gregory A. Lipton, *Religious Studies,* Making Islam Fit: Ibn 'Arabi and the Idea of Sufism in the West. Professor Carl W. Ernst.

Lan Liu, *Biostatistics,* Causal Inference With Interference. Professor Michael G. Hudgens.

Christian Loew, *Philosophy,* Causation and Other Asymmetries in Time. Professor Laurie Paul.

Yen Sia Low, *Environmental Sciences and Engineering,* Toxicity Prediction Using Multi-disciplinary Data Integration and Novel Computational Approaches. Professors Alexander Tropsha and Ivan Ruysn.

Shawn Michael Lyons, *Biology,* Post-Transcriptional Regulation of Histone mRNAs at the Level of Decay and 3' End Processing. Professor William F. Marzluff.

Brittain Lynn Mahaffey, *Psychology,* Evaluating a Cognitive-Behavioral Model of Pathological Mirror Gazing: Implications for the Maintenance of Anxiety and Appearance Dissatisfaction in Body Dysmorphic Disorder. Professor Jonathan S. Abramowitz.

Meredith Marie Malburne-Wade, *English,* Revision as Resistance in 20th-Century American Drama. Professor Maria DeGuzman.

Sarah Elizabeth Marsh, *English,* The Regency Novel and the British Constitution: Austen, Brunton, Shelley and the Culture of Romantic Decline. Professor Jeanne Moskal.

Eliza Mason, *Microbiology and Immunology,* Virulence Gene Regulation in Bordetella. Professor Peggy A. Cotter.

Emily Elizabeth Mekendry-Smith, *Sociology,* Old Gods, New Religions and Modern Marriages in Nepal. Professor Lisa D. Pearce.

Ian James Mcneil, *Chemistry,* Investigation of Dispersive Kinetics in the Time-Dependent Photoluminescence of Dye-Sensitized Nanoparticle Films. Professor Christopher J. Fecko.

Cheryl Naomi Miller, *Microbiology and Immunology,* A Genetic and Biochemical Approach to Identify Function of Novel Proteins in Francisella tularensis. Professor Tom H. Kawula.

Kylee Marie Miller, *School Psychology,* Weighing in on the Relationship Between Macronutrient Intake, Weight Status, Cognitive Functioning, and Academic Performance in School-Aged Children. Professor Rune J. Simeonsson.

Angela Marie Mitchell, *Microbiology and Immunology,* Modulation of Adeno-Associated Virus Transduction by the Promyelocytic Leukemia Protein, Arsenic Trioxide, and Proteasome Inhibitors. Professor Richard Jude Samulski.

Irina Mordukhovich, *Epidemiology,* Vehicular Traffic Exposure to Polycyclic Aromatic Hydrocarbons and Breast Cancer Risk. Professor Marilie Gammon.

Alane Elizabeth Murdock, *Maternal and Child Health,* Breastfeeding and Contraceptive Use: Analysis of a Statewide Survey. Professor Miriam Labbok.

Alison Colleen Neff, *Communication Studies,* Generation "Fly to Fly": Urban Transformation, New Cosmopolitanism, and the Politics of Women's Voicing in Dakar, Senegal. Professors Christopher T. Nelson and Lawrence Grossberg.

Jerrod Allen Nelms, *Epidemiology,* Unemployment Change and Homicide: An Exploration of the National Violent Death Reporting System. Professor David Richardson.

Myoung-Ryul Ok, *Materials Science,* Soft Lithographic Patterned Architectures in Dye Sensitized Solar Cells. Professor Edward T. Samulski.

Matthew James O'Meara, *Computer Science.* A Features Analysis Tool for Assessing and Improving Computational Models in Structural Biology. Professor Jack S. Snoeyink.

Erol James Ozmeral, *Psychology,* The Effects of Hearing Impairment in the Ability to Glimpse Speech in a Spectro-Temporally Complex Noise. Professor Joseph W. Hall III.

Walter Edward Palmer, *Human Movement Science,* Changes in Physical Activity In Community-Dwelling Older Adults Associated With the Matter of Balance Volunteer Lay Leader Model Program. Professor Vicki S. Mercer.

Jia Pan, *Computer Science,* Efficient Configuration Space Construction and Optimization. Professor Dinesh Manocha.

Timothy David Perry, *Psychology,* Relationships Between Sub- Clinical Autistic Traits, Cognitive Substrates, And Social Functioning in a Typically Developing College Sample. Professor David L. Penn.

Nathan D. Pfeifer, *Pharmaceutical Sciences,* Impact of Hepatic Transporter Multiplicity and Loss-of-Function on Hepatocellular Distribution and Excretion of Drugs. Professor Kim Brouwer.

Bradley David Proctor, *History,* Whip, Pistol and Hood: Ku Klux Klan Violence in the Carolinas During Reconstruction. Professor W. Fitzhugh Brundage.

Elizabeth Anne Proctor, *Bioinformatics and Computational Biology,* Inhibiting the Formation of ALS-Relevant SOD1 Oligomers. Professor Nikolay V. Dokholyan.

Chaitanya Prakash Puranik, *Oral Biology,* Effect of Fluoride on Parathyroid Hormone Secretion. Professor Eric T. Everett.

Tracy Michelle Raines, *Biology,* Defining the Role of the Cytokinin Response Factors (CRFs) in Arabidopsis thaliana. Professor Joseph Kieber.

Naim Ur Rashid, *Biostatistics,* Model-Based Approaches for the Detection of Biologically Active Genomic Regions From Next Generation Sequencing Data. Professors Joseph G. Ibrahim and Wei Sun.

Neal R. Rasmussen, *Genetics and Molecular Biology,* Elucidating the Role of the Receptor Tyrosine Kinase Ror2 Within the Wnt Pathway And Its Contributions to Renal Cell Carcinoma Tumorigenesis. Professor W. Kimryn Rathmell.

Sumita Rege, *Occupational Science,* Looking Beyond: A Study of Blogging and What It Tells Us About Occupations. Professor Ruth Humphry.

Bryan Timothy Richardson, *Pharmacology,* Defining the Molecular Mechanisms of the Cerebral Cavernous Malformation Proteins. Professor Gary L. Johnson.

Ned Richardson-Little, *History,* Between Dictatorship and Dissent: Ideology, Legitimacy, and Human Rights in East Germany, 1945–1990. Professor Konrad H. Jarausch.

Joseph E. Rittiner, *Pharmaceutical Sciences,* Extracellular and Intracellular Regulation of G Protein-Coupled Receptor Signaling. Professor Mark J. Zylka.

Lindsay Faircloth Rizzardi, *Genetics and Molecular Biology,* Epigenetic Factors are Dynamically Regulated Throughout the Cell Cycle and are Required for Efficient DNA Replication. Professor Jeanette G. Cook.

Ryan Rogers, *Mass Communication,* "i" Play: The Psychological Effects of Customized Feedback in Videogames. Professor Sriram Kalyanaraman.

Jason Micah Roos, *Sociology,* Knowledge, Science, and Religion in the United States: An Analysis of Factors That Contribute to Acceptance and Rejection of Contested Knowledge at the Intersection of Science and Religion. Professors Kenneth A. Bollen and Andrew J. Perrin.

Virginia Senk Omago, *Epidemiology,* The Role of Human Papillomavirus (HPV) Viral Load in Penile HPV Infection and Clearance in Young Kenyan Men. Professor Jennifer S. Smith.

Julia Madeleine Shadur, *Psychology,* Parent Emotion Socialization and Emotion Regulation in Substance Abusing Families. Professor Andrea M. Hussong.

Jeremy Simon, *Bioinformatics and Computational Biology,* Characterization of Chromatin Dysregulation in Cancer Through Analysis of Fresh and Archival Human Samples. Professor Ian J. Davis.

Danielle Lynaé Slomberg, *Chemistry,* Role of Nanomaterial Physicochemical Properties on Fate and Toxicity in Bacteria and Plants. Professor Mark H. Schoenfisch.

Elizabeth Parish Smith, *History,* Southern Sirens: Disorderly Women and the Fight for Public Order in Reconstruction-Era New Orleans. Professor Jacquelyn D. Hall.

Heidi Marie Soeters, *Epidemiology,* The Effect of Tuberculosis Treatment at the Time of Combination Antiretroviral Therapy (cART) Initiation on Response to cART Among HIV-Infected Individuals. Professor Annelies Van Rie.

Jessica A. Sorrentino, *Toxicology,* The Effects of Chronic and Acute Toxicological Exposures on the Expression of the Tumor Suppressor p16INK4a. Professor Norman E. Sharpless.

Erin Cathleen Steinbach, *Microbiology and Immunology,* Macrophage Phosphoinositide 3-Kinase p110 D Regulates Intestinal Homeostasis by Directing Adaptive Immunity and Enhancing Microbial Clearance. Professor Scott E. Plevy.

Wesley Langdon Storm, *Chemistry,* Combined Bactericidal/Bacterial Adhesion-Resistant Coatings Through Nitric Oxide Release. Professor Mark H. Schoenfisch.

Joseph Patrick Tighe, *Computer Science,* Towards Open-Universe Image Parsing With Broad Coverage. Professor Svetlana Lazebnik.

Michael August Tycon, *Chemistry,* The Development and Implementation of Microscopy Strategies for Investigating Protein Diffusion and Chromatin Binding. Professor Christopher J. Fecko.

Jolien Suzanne Tyler, *Biology,* The Dynamic Chromatin Landscape in Saccharomyces cerevisiae. Professor Kerry S. Bloom.

Eric Scott Ubil, *Cell and Molecular Physiology,* p53 Mediated Mesenchymal-to-Endothelial Transition is a Novel Mechanism of Vasculogenesis After Ischemic Cardiac Injury. Professor Arjun Deb.

Eugene Urrutia, *Biostatistics,* The Statistical Analysis of Genetic Sequencing and Rare Variant Association Studies. Professor Michael C. Wu.

Meagan Fluet Vaughn, *Epidemiology,* Tick-Borne Diseases in North Carolina: Seroepidemiology of Spotted Fever Group Rickettsiae and Prevention of Tick Bites Among Outdoor Workers. Professor Steven R. Meshnick.

Karthik Veeraswami Natarajan, *Business Administration,* Managing Humanitarian Operations: The Impact of Amount, Schedules and Uncertainty in Funding. Professor Jayashankar M. Swaminathan.

Mark Vitucci, *Genetics and Molecular Biology,* Molecular Characterization of Murine Models of Astrocytoma. Professor C. Ryan Miller.

Qian Wang, *Computer Science,* Registration of Brain MR Images in Large-Scale Populations. Professor Dinggang Shen.

Erica Jania Washington, *Biology,* Characterization of the Role of Pseudomonas syringae Type III Effector HopAF1 in Virulence. Professor Jeff Dangl.

Audrey Marie Wells, *Psychology,* Intracellular Mechanisms of Cocaine-Memory Reconsolidation in the Basolateral Amygdala and Dorsal Hippocampus. Professor Rita A. Fuchs Lokensgard.

Isaac Thomas Westfield, *Marine Sciences,* Mineralization of Anthropogenic CO2 Via Water-Gas-Rock Reaction. Professor Justin Ries.

Martin Charles Whittle, *Pharmacology,* Targeting the Triple-Negative Breast Cancer Kinome With Chemical Proteomics. Professor Gary L. Johnson.

James Franklin Williamson, *History,* Memory With "No Clear Answers." Volkstrauertag, Opfer des Faschismus, and the Politics of Publicly Mourning the War Dead in Germany, 1945–1972. Professor Konrad H. Jarausch.

Katie J. Wolfe, *Cell and Developmental Biology,* Chaperone Mediated Protective Protein Aggregation and Spatial Quality Control. Professor Douglas M. Cyr.

Brittany Danielle Wright, *Pharmaceutical Sciences,* Lipid Kinase Regulation of Nociceptive Signaling and Sensitization: Implications for Analgesic Drug Development. Professor Mark J. Zylka.

Jinghe Zhang, *Computer Science,* Uncertainty-Driven Adaptive Estimation With Applications in Electrical Power Systems. Professor Gregory F. Welch.

Jinsheng Zhou, *Chemistry,* Single Molecule DNA Manipulation and Analysis Using Nanofluidic Circuits. Professor John M. Ramsey.

Ruoqing Zhu, *Biostatistics,* Tree-Based Methods for Survival Analysis and High-Dimensional Data. Professor Michael R. Kosorok.

Baiming Zou, *Biostatistics,* Robust and Efficient Statistical Inference for Clustered Observational Data in Comparative Effectiveness Research. Professor Haibo Zhou.

DOCTOR OF PUBLIC HEALTH

Angeli Prakash Achrekar, *Health Policy and Management,* Saving Mothers, Giving Life: An Assessment of a Partnership for Making Progress Toward Sustainable Reductions in Global Maternal Mortality. Professor Edward L. Baker Jr.

Kerry Bruce, *Health Policy and Management,* Use of Mobile Technology for Monitoring and Evaluation in International Health and Development Programs. Professor John E. Paul.

Randi Ellen Kaufman, *Health Policy and Management,* "Bend a Little to Move It Forward." Pro-Social Rule Breaking in Public Health Practice. Professor Bruce Fried.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during today's Doctoral Hooding ceremony.

DEGREE CANDIDATES' REGALIA. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning. The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina. Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study.

The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Kiran Bhardwaj
Angelyn (Angie) S. Bitting
Tony Botros
Jeanette (Jan) Boxill
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Sidney W. Stone
Charles Streeter
Georgia Walker

Credits

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Photos by Dan Sears.

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL IS A CONSTITUENT INSTITUTION OF THE UNIVERSITY OF NORTH CAROLINA.

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

2014 Commencement

The University *of* North Carolina *at* Chapel Hill

Sunday, December Fourteenth, Two Thousand Fourteen

MESSAGE *from the* CHANCELLOR CAROL L. FOLT

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina, and nothing could be finer than to celebrate your commencement today.

Family members and friends, you have provided support of all kinds and encouragement over the years. On behalf of Carolina faculty and staff, thank you for sharing your student with us, and congratulations as you also make a life transition.

Undergraduate, graduate and professional students, I hope that you find a moment this weekend to recall your Carolina years and realize how your time here has prepared you for your future. You have learned the tools to capture and shape your own transitions. You have developed enduring intellectual skills that will help you imagine a future you cannot yet see. Most importantly, you have developed the personal connections that will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

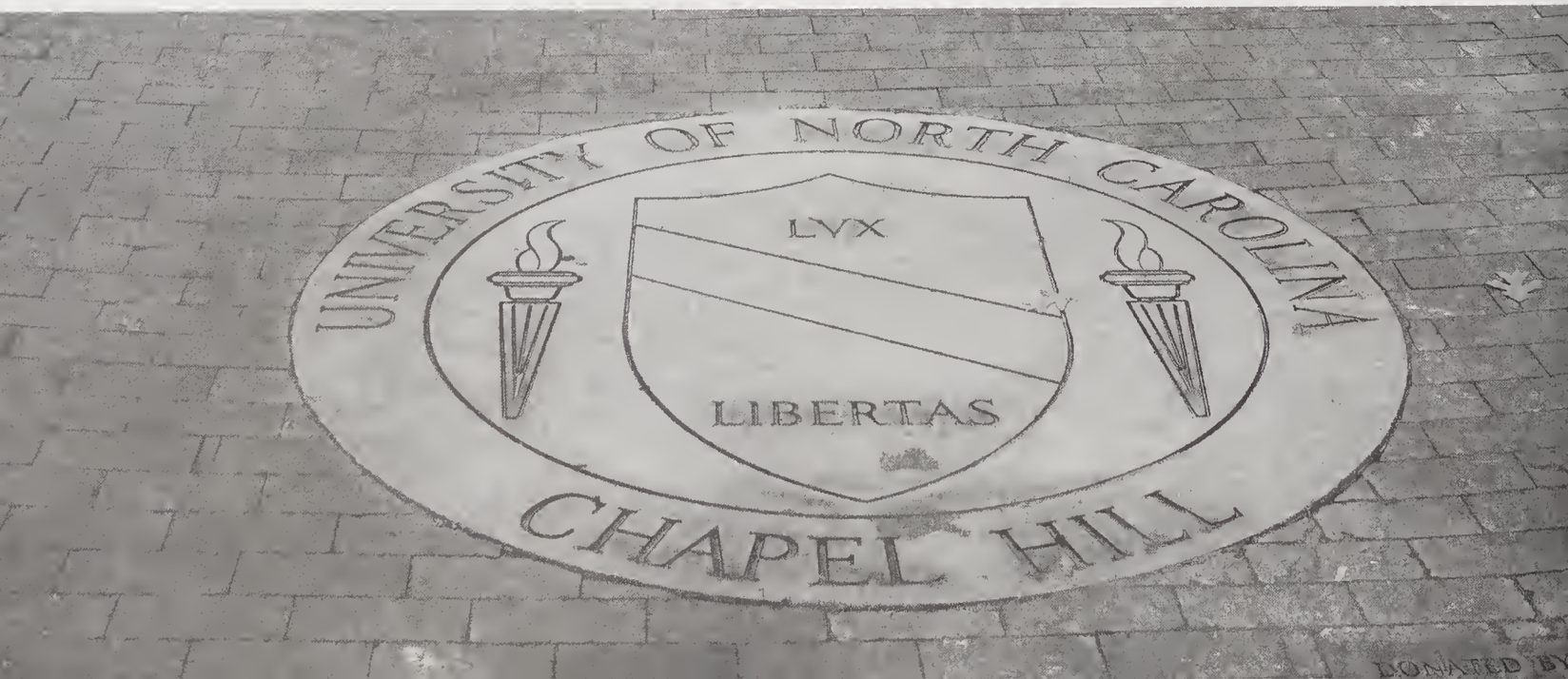
Albert Coates, a North Carolinian who founded the School of Government, called this University a "magic gulf stream flowing in an ever-widening current through the lives of people in the cities, the counties and the state of North Carolina and beyond."

As you leave today — forever a part of this magic gulf stream — Carolina pledges back to you, our newly minted alumni, to continue to make Chapel Hill a place of pride and promise — fresh, forward and always for the people.

Congratulations!

Carol L. Folt

CAROL L. FOLT



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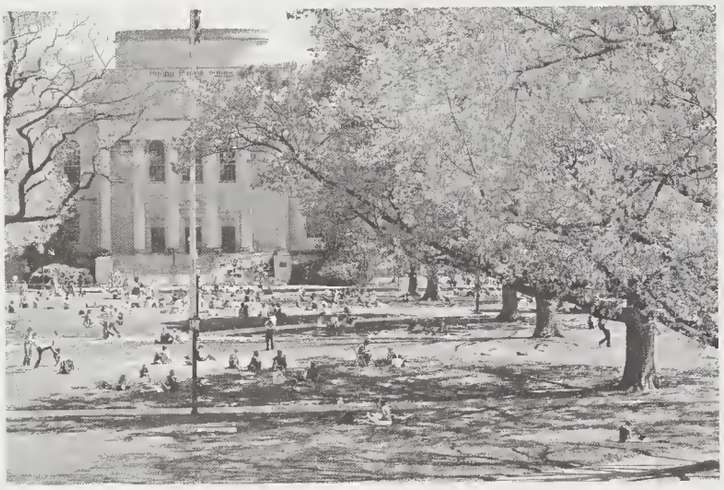
ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.



HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

If you have any questions regarding Commencement activities, or in the event of an emergency, please contact an usher.

Open captioning of the ceremony will be available on the video screens in the Dean Smith Center.*

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

All diplomas are printed after graduation and are mailed to graduates. Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Professor and Chair, Department of Chemistry* Katrina Louise Hauprich, *Senior Marshal*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS
Presiding	Carol L. Folt, *Chancellor of the University of North Carolina at Chapel Hill*
National Anthem	Evan Adair, *Class of 2015* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE UNIVERSITY OF NORTH CAROLINA Thomas W. Ross, *President*
	FOR THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA W. Edwin McMahan
	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL W. Lowry Caudill, *Chair*
	FOR THE GENERAL ALUMNI ASSOCIATION Vaughn Bryson, *Chair, Board of Directors*
Introduction of Commencement Speaker	Sasha Seymore, *President of the Class of 2015*
Commencement Address	James H. Johnson Jr., *William R. Kenan Distinguished Professor of Strategy and Entrepreneurship, Kenan-Flagler Business School; Director, Urban Investment Strategies Center, Frank Hawkins Kenan Institute of Private Entrepreneurship; Senior Research Fellow, Carolina Population Center; Adjunct Professor of Public Policy, Sociology and Geography*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Alexis White, *Vice President of the Class of 2015*
"HARK THE SOUND"	Evan Adair
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?" Folt, an internationally recognized environmental scientist, award-winning teacher and accomplished administrator, has worked to fulfill that charge by preserving and expanding Carolina's academic excellence and innovation, access and affordability, and deep commitment to the state.

Under her leadership, the University received 31,000 applications for the Class of 2018—breaking the previous year's record for the ninth consecutive time. Faculty ranked seventh nationally and first in the South for 2013 research grants awarded by the National Institutes of Health. New investments have made Carolina's science, technology, engineering and math curriculum one of the top in the country. And the University's commitment to its public service mission has never been stronger, as illustrated by the School of Government's work supporting local governments and communities, and by expanding programs like the Carolina College Advising Corps, which provides college advising for the state's high school students.

Folt has met with hundreds of students, faculty, staff, alumni and supporters, championing the importance of the University's research mission for North Carolina's economy. She has also focused on improving undergraduate graduation rates—particularly low-income, first-generation and underrepresented students—and on comprehensively addressing past academic and athletic irregularities.

Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt has represented the University in the national dialogue about higher education, joining other leaders at White House meetings on topics as diverse as preserving accessibility to an affordable college degree and protecting students from sexual assault.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013, Dartmouth Professor of Biological Sciences, and a faculty member and administrator for 30 years.

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

Her research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

JAMES H. JOHNSON JR.

The Commencement Speaker

James H. Johnson Jr. is the William R. Kenan Distinguished Professor of strategy and entrepreneurship at Kenan-Flagler Business School and director of the Urban Investment Strategies Center in the Frank Hawkins Kenan Institute of Private Entrepreneurship. He also serves as a senior research fellow at the Carolina Population Center and an adjunct professor of public policy, sociology and geography.

Through his professorship at UNC Kenan-Flagler, Johnson researches the economic and employment impact of white-collar job shifts offshore on U.S. competitiveness. He has published more than 100 scholarly articles and three research monographs as well as coauthored several books.

Johnson grew up around the tobacco fields of Farmville, N.C., where his parents encouraged his education. He graduated from N.C. Central University summa cum laude in only three years, and went on to receive his master's from the University of Wisconsin at Madison and his Ph.D. from Michigan State University. The University of California-Los Angeles recruited Johnson to work in its geography department, later granting him a full professorship exploring poverty in urban America. Johnson joined the UNC faculty as the E. Maynard Adams Professor of Geography in 1992 and accepted a Kenan Professorship at UNC Kenan-Flagler in 1998.

Johnson coauthored the book "The Economic Impact of the African American Population on the State of North Carolina" with John D. Kasarda, who was integral in recruiting him to Carolina. He has also published a study on the economic impact of North Carolina's Hispanic population. Following the Sept. 11, 2001, terrorist attacks, the Russell Sage Foundation supported Johnson's publication of research on the economic impact of the attacks on U.S. metropolitan communities.

He is a founding member and also chairs the board of the Global Scholars Academy (GSA) in Durham, a year-round kindergarten through eighth grade school aimed at providing smaller class sizes and higher academic performances. The school offers programs and classes beginning at 7:30 a.m. and running through 6 p.m., including weekend activities to ensure that the students have the chance to succeed. Simple necessities such as breakfast, lunch and snacks are provided every day, as well as outreach opportunities, to make a difference in the lives of the children.

Johnson sends 120 MBA students from UNC Kenan-Flagler to the academy every year to mentor children. The idea came from his decade-long collaboration with researchers on the MacArthur Foundation Network on Successful Pathways Through Childhood, where he realized that at-risk youths who do succeed have access to mediating institutions—mentoring programs like the Boys and Girls Club—and have a positive adult presence in their lives that connect with the children outside of their typical environment of school and home. Johnson also brings students from GSA to UNC-Chapel Hill for activities, including building bikes with MBA students.

Officers of the Class of 2014

Georgia Katherine Walker, *President*
Anthony Nader Botros, *Vice President*
Rachel Margaret Uhlman, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Sutton Farthing '12, *Annual Fund Liaison*

Officers of the Class of 2015

Sasha Seymore, *President*
Alexis Danielle White, *Vice President*
Dillon Riddle Vess, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Sutton Farthing '12, *Annual Fund Liaison*

Marshals of the Class of 2014

Zachary Robert Alexander
Robert Cody Allen
Andrea Lynn Alonso
Gabriel Josiah Baylor
Mary Morgan Bitler
Michael Anthony Cash
Tricia Anne Cleppe
Christopher Timothy Felix
Seve Michael Gaskin
Shelby Goerne
Kathleen Frances Goolsby
Amy Gilmer Hammond
Breanna Leigh Harris
Alexander Jackson
Suzanne Lynn Jasmine
Phillip Matthew Krouse
Chandler Elizabeth Leik
Andrew Ashcon Livingston
Farrell Margaret Murphy
Derek Carter Murray
Beejal Jayesh Patel
Harsh Chandresh Shah
Sara Shariff
Melissa Erica Shulman
Anna Elisabeth Spickard
Joseph Walker Swain
Jessica Rowan Tremayne
Cheyenne Dominique Turner
Roli Tyagi
Wooten Warner Underwood
Neha Vennekkat
Anna Katelyn Volz
Thomas Eugene Yandle

Marshals of the Class of 2015

Victor Ayodele Abiona
Vincent Ayodeji Abiona
Addison Duke Baker
Connor Moss Belson
Kendra Lee Benner
Aubree Broadwater
Kaylah Elizabeth Brown
Jordan Jeneva Budget
Ashleigh Breanne Curry
Nia Joi Davis
Mary Elizabeth Entwistle
Julia Elaine Filler
Leslie Alexandra Finch
Catherine Olivia Frere
Roderick Amal Gladney
Rene Gupta
Yasamin Haghshenas
Katrina Louise Hauprich
Claire Catherine Herzog
Brittany Monique Hollis
Erica Vimala Kakarlamudi
Jamison Nicole Kies
Savannah Mae Lagaly
Jordan Thomas Larson
Fanny Jasbeidy Laufters
Emily Elizabeth Mann
Christopher Alan Martin
Graham Joseph Martin
Manoj Mirchandani
Camille Elyse Morgan
April Amber Peterson
Katherine Beadles Pope
Kristina Alexis Redd
Justin Andrew Reyes
Erin Maureen Rolandelli
Austin John Root
Jeane' Roshell Rowell
Kayla Lucky Slake
Hilda Tajalli
Rachel-Kaylah Marie-Antwanette Tates
Naintara Viswanath
Catherine Hamilton White
Darius Jamal Whitney
Margaret Lynn Zenkel

Graduate and Professional Student Federation Officers, 2014

Shelby Dawkins-Law, *President*
Brandon Linz, *Vice President for Internal Affairs*
Katie Walker, *Vice President for External Affairs*
Marissa Cann, *Chief of Staff*
Autumn McClellan, *Treasurer*
Kyle Reeves, *Secretary*

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Chapel Hill, N.C.

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Journalism and Mass Communication
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Auditory Learning in Young Children
Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental

Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Rehabilitation Counseling and Psychology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

CANDIDATES *for* GRADUATE DEGREES

December 2014 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Nour Abdo, *Environmeutal Sciences and Engineering,* The 1000 Genomes Toxicity Screening Project: Utilizing the Power of Human Genome Variation for Population-Scale In Vitro Testing. Professor Ivan Rusyn.

Laura Louisa Adduci, *Chemistry,* Methods of Carbohydrate Functionalization and Defunctionalization. Professor Michel R. Gagné.

Melanie Fawaz Alazzam, *Oral Biology,* Murine Transgene Insertional Mutation Involving Runx1T1 and GM11823 Genes and Their Contribution to Cleft Palate and Rib Anomalies. Professor Eric Everett.

William Benjamin Allshouse III, *Environmental Sciences and Engineering,* Modern Space/Time Geostatistical Approaches to Mapping Point Sources of Pollution and Infectious Disease. Professor Marc Serre.

Dennis Lee Ashford, *Chemistry,* A Molecular Solution to Solar Fuels. Professors Thomas Meyer and Joseph Templeton.

Jennifer Marie Ashlock, *Sociology,* Work Values and Control: A Longitudinal Analysis of the Structural, Cultural and Psychological Predictors of Work Values in the High School Class of 1972. Professor Arne L. Kalleberg.

Amelia Bachleda, *Neurobiology,* SOX2 Is Essential for the Maturation and Maintenance of Retinal Muller Glia. Professors Ellen Weiss and Larysa Pevny.

Christopher James Backlund, *Chemistry,* Nitric Oxide-Release Vehicles as Oral Disease Therapeutics. Professor Mark Schoenfisch.

Sean Thomas Bailey, *Genetics and Molecular Biology,* Inhibition of Compensatory Survival and Proliferative Pathway Activation Induced by mTOR Inhibition in Renal Cell Carcinoma. Professor William Y. Kim.

Daniel E. Bonder, *Neurobiology,* Astrocytic Gq-GPCR-linked IP3R-dependent Calcium Signaling Does Not Mediate Neurovascular Coupling in Mouse Visual Cortex In Vivo. Professor Ken D. McCarthy.

Brian Bower, *Genetics and Molecular Biology,* An In Vitro Characterization of Functional Interactions between Purified Telomere Repeat Binding Factors 1 and 2 and RAD51 Recombinase. Professors Jack D. Griffith and Jeff Sekelsky.

Ila Hughes Broyles, *Health Policy and Management,* Community Versus Facility Long-Term Care: Impacts on Medicare Spending and Service Use. Professor Morris Weinberger.

Elizabeth Bucher, *Chemistry,* Methods and Applications for Fast-Scan Cyclic Voltammetric Detection of In Vivo Catecholamine Dynamics. Professor R. Mark Wightman.

Jessie P. Buckley, *Epidemiology,* Prenatal Phthalate Exposures and Childhood Adiposity: Examining the Obesogen Hypothesis. Professor Stephanie Engel.

Matthew Quinn Buckner, *Physics,* Hydrogen Burning of the Rare Oxygen Isotopes. Professor Christian Iliadis.

Steven Busan, *Chemistry,* Frameworks for Large-Scale RNA Structure Profiling in Transcriptomes and Disease. Professor Kevin M. Weeks.

Justin Bryce Callaway, *Microbiology and Immunology,* Interfering with Inflammatory Cytokine Production during Antibody-Enhanced Dengue Virus Infection. Professor Jenny P.-Y. Ting.

Danila Cannamela, *Romance Languages and Literatures,* Knowledge through Things: A New Perspective on Crepuscular and Futurist Avant-Garde. Professor Federico Luisetti.

Susan Caplow, *Ecology,* The Communication of Values, Beliefs and Norms in Live Animal Interpretive Experiences: A Comparative Case Study. Professor Pamela Jagger.

Lindsay B. Case, *Cell and Developmental Biology,* Spatiotemporal Coordination of the Actin Cytoskeleton and Integrin Adhesion. Professor Clare Waterman.

Melissa Caughey, *Epidemiology,* Is Sickle Cell Trait a Risk Factor for Stroke and Cerebral Small Vessel Disease? Professors Laura Loehr and Kari North.

Meredith Denise Clark, *Journalism and Mass Communication,* To Tweet Our Own Cause: A Mixed-Methods Study of the Online Phenomenon "Black Twitter." Professor Rhonda Gibson.

Kizzmekia Shanta Corbett, *Microbiology and Immunology,* Characterization of Human Antibody Responses to Dengue Virus Infections in a Sri Lankan Pediatric Cohort. Professor Aravinda de Silva.

Emil Adrian Cornea, *Biostatistics,* Advanced Biostatistical Methods for Curved and Censored Biomedical Data. Professors Joseph G. Ibrahim and Hongtu T. Zhu.

Thomas Joseph Corona, *Physics,* Methodology and Application of High Performance Electrostatic Field Simulation in the KATRIN Experiment. Professor John Wilkerson.

Courtney Ellen Cox, *Biology,* Evaluating Strategies for Restoring Parrotfish Populations in Belize. Professor John Bruno.

Carmen Crosby, *Social Work,* Sexual Assault among Female Students at Historically Black Colleges and Universities: An Exploration of the Black Feminist Perspective and Routine Activity Theory. Professor Natasha K. Bowen.

Sayan Dasgupta, *Biostatistics,* Non-Parametric and Semi-Parametric Methods for Parsimonious Statistical Learning with Complex Data. Professor Michael R. Kosorok.

Nicholas DeFelice, *Environmental Sciences and Engineering,* Drinking Water Risks to Health 40 Years After Passage of the Safe Drinking Water Act: A County-by-County Analysis in North Carolina. Professor Jacqueline MacDonald Gibson.

Sumit Dhole, *Biology,* Evolution of Reproductive Traits Under Pre- and Post-Mating Sexual Selection. Professor Maria Servedio.

Alexandra Jazz Dickinson, *Chemistry,* Single-Cell Analysis of Lipid Enzyme Activity Using Automated Capillary Electrophoresis. Professors Nancy L. Allbritton and James W. Jorgenson.

Scott Dill, *English,* The Only Crucial Clocks: Secular Time in the Contemporary American Novel. Professors Florence Dore and Gregory Flaxman.

Dung Tien Do, *Chemistry,* Stereoselective Functionalization of Meldrum's Acids and the Efforts toward Total Synthesis of Echinosporin. Professor Jeffrey S. Johnson.

Shiahna Dye, *Psychology,*The Associations among Religiosity, Parenting, and Sexual Behavior in African American Youth from Single-Mother Families: A Moderated Mediation Model. Professor Deborah Jones.

Rebecca Richer Fanelli, *Neurobiology,* Neuronal Encoding of Habit-Like Alcohol Self-Administration in the Rat Dorsal Striatum. Professor Donita L. Robinson.

Brian C. Ferslew, *Pharmaceutical Sciences,* Importance of Hepatic Transporters, Including Basolateral Efflux Proteins, in Drug Disposition: Impact of Phospholipidosis and Non-Alcoholic Steatohepatitis. Professors Kim Brouwer and Dhiren Thakker.

Amber Frick, *Pharmaceutical Sciences,* Cellular Genomics Approaches for Defining Susceptibility and Resistance to Chemotherapeutic Toxicity in Immune Cells. Professors Tim Wiltshire and Jian Liu.

Joseph Carl Gaiteri, *Chemistry,* Development of a Microfluidic Immunoassay for Determination of Kinase Phosphorylation. Professors J. Michael Ramsey and Nancy L. Allbritton.

Anisha Gandhi, *Epidemiology,* Migration, Social Disadvantage, Sexual Partnerships and HIV/STI in the Garífuna Population of Honduras. Professor Audrey Pettifor.

Rachel Kelley Gittman, *Ecology,* The Living Shoreline Approach as an Alternative to Shoreline Hardening: Implications for the Ecology and Ecosystem Service Delivery of Salt Marshes. Professors John Bruno and Charles Peterson.

Ann Gottert, *Health Behavior,* Gender Norms, Masculine Gender-Role Strain, and HIV Risk Behaviors among Men in Rural South Africa. Professor Clare Barrington.

Natalia Gouskova, *Biostatistics,* Analysis of Complex Time-to-Event Data. Professor Jason Fine.

Nicole Gabrielle Griffin, *Genetics and Molecular Biology,* Genetic Analysis of Complex and Mendelian Diseases. Professor Kirk C. Wilhelmsen.

James P. Grinias, *Chemistry,* Characterization and Control of Band Broadening in Ultra-High Pressure Liquid Chromatography Columns. Professor James W. Jorgenson.

Brionna Hair, *Epidemiology,* Body Mass Index, Breast Tissue and the Epigenome. Professor Melissa Troester.

Hillary Van de Carr Harper, *Speech and Hearing Sciences,* Connections between Participation in Early Reading First Classrooms and School-Aged Language and Literacy Development. Professor Karen Erickson.

Jill Shizuko Harunaga, *Biology,* Cell and Matrix Interactions during Branching Morphogenesis. Professors Kenneth M. Yamada and Stephen Rogers.

Jessica Keppel Higgins, *Biology,* Rapid Evolution and Population Divergence in Response to Environmental Change in Colias Butterflies. Professor Joel Kingsolver.

Steven Hoberman, *Biostatistics,* Response Adaptive Designs for Highly Successful Treatments, Randomness and Relationship Detection in Clinical Trials. Professors Michael Kosorok and Anastasia Ivanova.

Kaiulani M. Houston, *Chemistry,* Development of Protease-Resistant Beta-Hairpin Peptides for the Detection of Enzymatic Activity in Cancer Cell Lines. Professor Marcey Waters.

James Huckle, *Pharmaceutical Sciences,* C2E2, An Orally Administered Radionuclide Decorporation Agent. Professor Michael Jay.

Rosa B. Ibanez, *Romance Languages and Literatures,* Nuevos y Viejos Demonios en la Novelistica Historica (2000–2010) de Mario Vargas Llosa. Professor Rosa Perelmuter.

Lindsay M. Jaacks, *Nutrition,* The 3C Nutrition Ancillary Study: Describing the Integration of Diet and Disease Self-Management among Adolescents and Adults with Type 1 Diabetes in China. Professor Elizabeth Mayer-Davis.

Aziz Jaber, *Linguistics,* On Genericity and Definiteness in Modern Standard Arabic. Professor Jules Michael Terry.

Laura Elizabeth Jackson, *Economics,* Monetary Policy in a Zero Lower Bound Environment. Professors Neville R. Francis and Michael Owyang.

Joshua Holden Jennings, *Neurobiology,* Neural Circuit Dynamics and Function of Complex Behavioral States. Professor Garrett Stuber.

Deepak Kumar Jha, *Biochemistry and Biophysics,* Role of Histone Methylation and Variants in Genome Function. Professor Brian D. Strahl.

Brian Layne Jones, *Musicology,* Signifying DIY: Process-Oriented Aesthetics in 1990s Alternative Rock and Hip-Hop. Professor Mark Katz.

Leanne Kaye, *Nutrition,* Examining the Use of Tailored Health Messages to Promote Physical Activity among Inactive Breast Cancer Survivors. Professor Diane S. Ward.

Amanda Keener, *Microbiology and Immunology,* Requirements for Memory B Cell and Long-Lived Plasma Cell Development during Adaptive Immune Responses and Staphylococcus Aureus Infection. Professor Barbara Vilen.

Alexander P. Keil, *Epidemiology,* Healthy Worker Survivor Bias in a Cohort of Uranium Miners from the Colorado Plateau. Professor David Richardson.

Kayla Knilans, *Pharmacology,* The Role of Lytic Transglycosylases LtgA and LtgD in Innate Immune Recognition and Pathogenesis of Neisseria Gonorrhoeae. Professor Joseph A. Duncan.

Jennifer Frances Kosmin, *History,* Embodied Knowledge: Midwives and the Medicalization of Childbirth in Early Modern Italy. Professor Melissa Bullard.

Kevin Kritsch, *English,* Apostles, Apostolicity and Apocrypha: The Literary Reception and Treatment of the Twelve Apostles in Anglo-Saxon England with a Study of the Cult of Saint Andrew. Professor Patrick O'Neill.

Jennifer Kulzer, *Genetics and Molecular Biology,* Molecular and Biological Mechanisms of the ARAP1 Type 2 Diabetes Locus. Professor Karen L. Mohlke.

Matthew Lawrence Kutys, *Cell and Developmental Biology,* A Novel, Matrix-Specific GEF/GAP Interaction Regulates Rho GTPase Crosstalk Critical for 3D Collagen Migration. Professors Kenneth M. Yamada and Keith Burridge.

Julie C. Lauffenburger, *Pharmaceutical Sciences,* Dabigatran and Warfarin for Stroke Prevention in Atrial Fibrillation: Use, Switching and Clinical Effects Following New Market Entry in Real-World Patients. Professor Gang Fang.

Jacoba Leiper, *Nursing,* The Context, Content, and Consequences of Disruptive Behavior among Nurses through Participant Observation and Interviews. Professor Noreen Esposito.

Luciana Leopold, *Genetics and Molecular Biology,* Surveillance and Targeting of Aberrant Transcripts in Caenorhabditis elegans. Professor Shawn Ahmed.

Ya-Ru Li, *Environmental Sciences and Engineering,* Assessing Exposure to and Risks of Fine Particulate Air Pollution from Multiple Sources. Professor Jacqueline MacDonald Gibson.

Jesse Lichstein, *Health Policy and Management,* Do Community Care of North Carolina-Induced Changes Spill Over to Non-Target Populations? Professor Mark Holmes.

Qian Liu, *Biostatistics,* Non-Parametric Machine Learning Methods for Clustering and Variable Selection. Professor Eric Bair.

Adam Layton Long, *Sociology,* Income Inequality and Religion: Beliefs, Disagreements, and Politics. Professor Ted Mouw.

Lantz Mackey, *Pathology,* The Role of α(1,3)-Fucosylated Glycans in Homeostatic Immunity, Granulopoiesis, and Mucosal Injury. Professor Jonathon W. Homeister.

Ritsa Mallous, *Education,* Exploration of New Early Childhood and Elementary Teachers' Efficacy Based on Collaborative Conversations of Self-Identified Practice Dilemmas. Professor Harriet Able.

Jessica L. Martell, *English,* In Formlessness and Appetite: Modernist Form and Imperial Food Politics, 1890–1922. Professor Gregory Flaxman.

Rachel L. Martin, *History,* Out of the Silence: Remembering the Desegregation of Clinton, Tennessee, High School. Professor Jacquelyn Dowd Hall.

Kevin Clark Mathias, *Nutrition,* Understanding the Roles that Food Manufacturers, Government, and Consumers Play in Efforts to Reduce Purchases of Grain-Based Desserts. Professor Barry Popkin.

Brian Christopher Miles, *Geography,* Small-Scale Residential Stormwater Management in Urbanized Watersheds: A Geoinformatics-Driven Ecohydrology Modeling Approach. Professor Lawrence E. Band.

Kathleen Miller, *Health Policy and Management,* The Signaling Effects of FDA Drug Designations. Professor Kristin Reiter.

Sarah Nicole Mueller, *Chemistry,* Polymeric PRINT Hydrogel Nanoparticles as a Delivery Platform for Subunit Vaccine Antigens and Adjuvants. Professor Joseph DeSimone.

Giang Thi Huong Nguyen, *Economics,* The High Frequency Economics of Government Bond Markets. Professor Eric Ghysels.

Luong Tien Nguyen, *Pharmaceutical Sciences,* Long Wavelength Fluorescent Reporters for Protein Kinases and Design of Light-Activatable Bioagents. Professor David Lawrence.

Stephanie H. Nowotarski, *Biology,* Roles and Interactions of Enabled, Diaphanous and Capping Protein in Regulation of Actin Structures in Drosophila Development. Professor Mark Peifer.

Caela Brighid Casey O'Connell, *Anthropology,* Persistent Communities: Entangled Landscapes of Agriculture, Environment, and Fairtrade Development in St. Lucia. Professors Arturo Escobar and Karla Slocum.

Nathan Paul Oien, *Pharmaceutical Sciences,* Erythrocyte Carriers: Tool Development for Erythrocyte Mediated Diagnostic and Drug Delivery. Professors David Lawrence and Jian Liu.

Habib Omari, *Epidemiology,* Second-Line Antiretroviral Therapy in Northern Tanzania. Professor William C. Miller.

Adem Orsdemir, *Business Administration,* Essays on Sustainable Operations and Corporate Social Responsibility. Professors Vinayak Deshpande and Ali K. Parlakturk.

John Pelton, *Biology,* Multiple Endothelial Cells Constitute the Tip of Developing Blood Vessels and Polarize to Promote Lumen Formation. Professor Victoria Bautch.

Ernesto Perez-Chanona, *Pharmacology,* Microbial Signaling in the Intestinal Ischemia/Reperfusion Injury Response. Professor Christian Jobin.

Jennifer M. Poti, *Nutrition,* Development of a Novel Classification System to Determine the Role of Processed and Convenience Foods in the Diets of U.S. Households. Professor Barry M. Popkin.

Shangbang Rao, *Biostatistics,* Spatially Regularizing High Angular Resolution Diffusion Imaging. Professors Joseph Ibrahim and Hongtu Zhu.

Amy Richardson, *Biostatistics,* Inference about Treatment Effects Using Bounds, Sensitivity Analysis and Instrumental Variables. Professor Michael G. Hudgens.

Andrea Starkweather Richardson, *Nutrition,* How Do Changes in the Neighborhood Food Environment Influence Diet and Body Mass Index Over Time? An Innovative Method Using 20 Years of Spatial, Diet and Anthropometry Data. Professor Penny Gordon-Larsen.

Amy Lynn Roberts, *Nutrition,* Measuring the Healthfulness of Children's Diets and the Role of the Home Food Environment. Professor June Stevens.

Cheryl Ann Roberts, *Sociology,* Family Disadvantage, School Context, and the Educational Attainment of African-American Males. Professors Kathleen M. Harris and Glen H. Elder Jr.

John Robertson, *History,* Calamitous Methods of Compulsion: Labor, War and Revolution in a Habsburg Industrial District, 1906–1919. Professor Chad Bryant.

Ivan Gwilym Sabath, *Biochemistry and Biophysics,* Characterization of Factors Required for 3' End Processing of Histone pre-mRNAs. Professors Zbigniew Dominski and William Marzluff.

Wesley Ken Sauret, *Philosophy,* Internal and External Awareness. Professor William Lycan.

Kevin Philip Schultze, *Chemistry,* Advanced System Components for the Development of a Handheld Ion Trap Mass Spectrometer. Professor J. Michael Ramsey.

Joseph Seaborn, *Mathematics,* Combinatorial Interpretation of the Kumar-Peterson Limit for sln(C) Demazure Characters and Gelfand Pattern Description of sln(C) Demazure Characters. Professor Robert Proctor.

Tammy Shen, *Pharmaceutical Sciences,* Development and Characterization of PRINT Particles as Drug Delivery Vehicles in the Lung. Professor Joseph DeSimone.

Thomas Sheppard, *History,* Petty Despots and Executive Officials: Civil-Military Relations in the Early American Navy, 1794–1820. Professor Wayne Lee.

Matt Simon, *Genetics and Molecular Biology,* Germ Cell Immortality in C. Elegans: Reduced Insulin Signaling Restores Germline Immortality in Piwi Argonaute PRG-1 Mutants. Professor Shawn Ahmed.

Olivenne D. Skinner, *Psychology,* Longitudinal Predictors of Gender Attitudes and Relationships among the Gender Attitudes, Gender Identity and Educational Choices of Black and White Youth. Professor Beth Kurtz-Costes.

Lauren Slevin, *Biology,* A Structural Study of the Conserved Centriole Duplication Machinery. Professor Kevin Slep.

Lindsey Patricia Smith, *Nutrition,* Can a Major National Food Retailer Improve the Nutritional Profile of U.S. Packaged Food Purchases and Reduce Diet-Related Disparities? Professor Barry Popkin.

M. Kumi Smith, *Epidemiology,* Treatment to Prevent HIV Transmission in Serodiscordant Couples in Henan, China. Professor William C. Miller.

Kevin Z. Snow, *Computer Science,* Identifying Code Injection and Reuse Payloads in Memory Error Exploits. Professor Fabian Monrose.

Eric J. Sobolewski, *Human Movement Science,* The Time Course of Changes in Neuromuscular Function During and Following Creatine Loading. Professor Eric D. Ryan.

Alice Michael Stamatakis, *Neurobiology,* Delineating Midbrain Circuits Underlying Motivated Behaviors. Professor Garret Stuber.

Matthew Stiegel, *Environmental Sciences and Engineering,* An Exposure Study Linking Environmental and Human Biological Parameter Measurements, with a Focus on TH1/TH2 Cytokine Expression. Professors Michael Flynn and Joachim Pleil.

Alissandra T. Stoyan, *Political Science,* Constituent Assemblies, Presidential Majorities, and Democracy in Contemporary Latin America. Professor Jonathan Hartlyn.

Natalia K. Suit, *Anthropology,* Qur'anic Matters: Media and Materiality. Professor Margaret Wiener.

Zhankun Sun, *Statistics and Operations Research,* Priority Scheduling of Jobs with Hidden Types. Professors Nilay T. Argon and Serhan Ziya.

Allison Totura, *Microbiology and Immunology,* SARS-Coronavirus Antagonizes Innate Immune Signaling Initiated by RIG-I but is Recognized by TLR Signaling via the Adaptor Molecule TRIF. Professors Ralph Baric and Mark Heise.

Jenna Tucker, *Social Work,* Family-School Relationships: Three Papers Addressing Limitations in Parent Involvement Theory and Research. Professor Natasha Bowen.

Alison McGlinn Turner, *Education,* Language Classes for Parents at a Two-Way Immersion School in North Carolina: Laying the Groundwork for Third Spaces. Professors Claudia Cervantes-Soon and Xue Rong.

Franklin Ifeanyichukwu Uba, *Chemistry,* Development of Nanofluidic Devices for Single- Molecule DNA Diagnostics. Professor Steven A. Soper.

Abel Valdivia-Acosta, *Biology,* Fish Assemblages of Caribbean Coral Reefs: Effects of Overfishing on Coral Communities under Climate Change. Professor John Bruno.

Tao Wang, *Statistics and Operations Research,* Empirical Analysis of Sequential Trade Models for Market Microstructure. Professor Chuanshu Ji.

Richard Lee Watkins, *Microbiology and Immunology,* Role of HIV-1 Nef and Vpu in Viral Replication and CD4+ T Cell Depletion. Professor J. Victor Garcia-Martinez.

Leah Watson, *Cell and Developmental Biology,* Endo-Exocytic Trafficking in Regulation of Cdc42 Polarity. Professor Patrick Brennwald.

Christian G. Watt, *Political Science,* Explaining Postwar Strategic Cooperation between the United States and its Former Adversaries. Professor Mark Crescenzi.

Catherine Welsh, *Computer Science,* Computational Tools to Aid the Design and Development of a Genetic Reference Population. Professor Leonard McMillan.

Matthew Woody, *Environmental Sciences and Engineering,* On Enhancing Air Quality Model Predictions of Particulate Matter from Aircraft Emissions. Professors J. Jason West and Saravanan Arunachalam.

Glenn Wozniak, *Genetics and Molecular Biology,* Investigation of the Role and Regulation of Histone H2B Ubiquitylation in Transcription. Professor Brian Strahl.

Catherine Wright, *Genetics and Molecular Biology,* LGN-Dependent Microtubule Regulation Influences Endothelial Cell Migration, Adhesion, and Sprout Integrity. Professors Victoria Bautch and Jean Cook.

Wan-Ching Wu, *Information and Library Science,* How Far Will You Go? Characterizing Online Search Stopping Behaviors Using Information Scent and Need for Cognition. Professor Diane Kelly.

Tingting Yang, *Marine Sciences,* Microbial Community Dynamics of the Deepwater Horizon Oil Spill. Professor Andreas Teske.

Zhaoyu Yin, *Biostatistics,* Statistical Analyses of High Throughput Genetics and Genomics Data. Professor Fei Zou.

Zhaojun Zhang, *Computer Science,* Efficient Computational Genetics Methods for Multiparent Crosses. Professors Wei Wang and William Valdar.

Huan Zhou, *Economics,* Forecasting in a Data-Rich Environment. Professor Eric Ghysels.

DOCTOR OF NURSING PRACTICE

Heather Michelle Boykin, *Nursing,* The Impact of a Pre-End Stage Renal Disease Education Intervention on Central Venous Catheter Placement in Those Initiating Dialysis: A Quality Improvement Project. Professor Meg Zomorodi.

Carla M. Jones, *Nursing,* Factors Contributing to Falls in Hospitalized Patients: Post-Fall Aggregate Analysis. Professor Mary Lynn.

Catherine K. Madigan, *Nursing,* Drivers of Patient Satisfaction and Effects of Demographics on the HCAHPS Survey. Professor G. Rumay Alexander.

Megan O'Connor, *Nursing,* Changing Organizational Culture through Gaming. Professor Gwen Sherwood.

Valerie Benedicta Idada-Parker, *Nursing,* Using the Dual Diagnosis Capability of Addiction Treatment (DDCAT) Index to Improve Outcomes: An Evaluation of a Community-Based Behavioral Health Program. Professors Cheryl Giscombe and Sonya Oppenwal.

DOCTOR OF PUBLIC HEALTH

Natnaree Aimyong, *Biostatistics,* Propensity Score Methods for Competing Risks. Professors Jason P. Fine and M. Alan Brookhart.

Christian Elizabeth Douglas, *Biostatistics,* Statistical Methods for Assessing the Effect of Mortality on Rates of Change and Variability in a Longitudinal Study of the Elderly. Professor Lloyd Edwards.

Philip Downs, *Health Policy and Management,* Opportunities and Barriers in the Control and Prevention of Lyme Disease: Implications for Practice. Professor Suzanne Hobbs.

Mohammad Saad Khan, *Health Policy and Management,* Improving Local Public Health Capacity through a Health Information Exchange in South Texas: Policy Implications for Health Leaders. Professor Christopher Shea.

Gift L. F. Kamanga, *Health Policy and Management,* How Best Can HIV/AIDS Policy Be Moved to Successful Implementation? Lessons from Routine HIV Testing of Patients with Sexually Transmitted Infections in Malawi. Professors Suzanne M. Hobbs and Sandra B. Greene.

Nicholas Gerard Mosca, *Health Policy and Management,* Acts Before Congress: How Interest Groups Influence Oral Health Policy Making in the U.S. Government. Professor Thomas G. Ricketts.

Lisa Oxendine, *Health Policy and Management,* Critical Factors Related to Communication of Nutrition Information Targeting Lumbee Women in Robeson County, N.C. Professor Suzanne H. Hobbs.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Cynthia B. Brand, *Curriculum and Instruction,* GED Success Rates for Inmates with Low Reading Ability Compared to Inmates with Higher Reading Skills in a Federal Correctional Setting. Professor Barbara Day.

Thomas Collins Cooper III, *Educational Leadership,* Refugee Students: Educational Challenges and Strategies for Leaders Working with Third World Populations. Professor Kathleen Brown.

Margaret Goodhand, *Educational Leadership,* Teachers' Perceptions of Heteronormativity in Elementary Schools: The Hidden and Evaded Curricula of Gender Diversity. Professor Kathleen Brown.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2014

The School of Law
ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR
Hannah Dajung Choe
Courtney Temple Ross

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE
Alexander H. Consky
Caitlin Barstow Low Magraw
Bradley Mark Pinker

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Da Ryung Au
Timothy James Bruflat
Delon M. Canterbury

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

A MESSAGE *to* CAROLINA'S NEWEST ALUMNI

Congratulations! You are now graduates of the University of North Carolina at Chapel Hill. Let your General Alumni Association help you make a seamless transition from students to alumni — no matter where you find yourselves after graduation. Visit alumni.unc.edu/youngalumni.

GETTING STARTED

Don't miss out on special invitations and services. Call (877) 377-7125 or visit alumni.unc.edu/update to keep your official University record updated. Jump start your network with Carolina alumni — join the GAA's groups on Facebook and LinkedIn.

ALUMNI CAREER SERVICES

Networking is the most effective approach to finding a job. The GAA can connect you with more than 7,000 alumni volunteers in our Alumni Advisor Network who can help you explore career options.

GAA members from the Class of 2014 have unlimited access (phone, email or in person) to the GAA's certified career coach for one year following graduation. If you're thinking about grad school, GAA members also receive discounts on Kaplan prep courses.

FINDING OTHER TAR HEELS IN YOUR AREA

- Local Carolina Clubs can be found in nearly 100 cities around the globe. Socialize, network, cheer on the Heels and continue that spirit of Tar Heel service within your community.
- The GAA's Online Alumni Directory can help you develop a network like no other. The directory includes nearly 290,000 former Carolina students.

TRUSTED INFORMATION SOURCE

The "Carolina Alumni Review," the "Out of the Blue" e-newsletter, the GAA's Twitter feed and alumni.unc.edu can keep you updated on the University's achievements and challenges as well as what's going on in Chapel Hill.

Congratulations again. We hope you'll choose to join the nearly 66,000 GAA members who remain connected and help serve Carolina and our students — past, present and future. New grads can save $20/year on the first three years of an auto-renewing annual membership. Or save $50 on life membership — only $32.25/month for 24 months.

For more information on how the Association serves new graduates, please call Evan Shaw '14 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2014

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Rachel Evelyn Dotson

Classics
Sarah Lynne Hilker

English
Clifford Emery Clark

Exercise and Sport Science
John Robert Bonney
Korie Clare Sawyer

Linguistics
Zachary A. Wilkins
Ye Zhao
Siyun Zhu

Musicology
Magdalen Anne Kadel

Philosophy
Michael Thomas Licciardi

Political Science
Federico Fuchs
Gabriele Magni
Bridget Parker
Zoila Iris Ponce De Leon Seijas
Jacob Forrest Harrison Smith

Psychology
Adam Jernstedt Hoffman
Suzannah Fenton Isgett
Keenan Michael Jenkins
Elise Lynn Rice

Public Policy
Scott Eric Brees
Kelly Nicole Kilburn

Romance Languages and Literatures
Stephanie Lauren Karampelas

Russian and East European Studies
Anna Kirey

Technology and Communication
William Lewis Ammerman
Catherine Angst
Alanna Ercelle Brock
Michelle Weaver Clark
Meghan Theresa Crawford
Candace A. Doby
Gareth Price Gwyn
Heather Michelle Inch
Tessa Wallace McSwain
Danielle Binder Passingham
Sarah I. Vanderwalde
Jason Harp Whitley
Laura Blake Worthington

MASTER OF CITY AND REGIONAL PLANNING
Michelle Audette-Bauman
Marie de Jesus Patane
Genevieve Terese Will

MASTER OF SCIENCE

Biology
Nicholas William Garcia

Biochemistry and Biophysics
Ariana Felicia Bevilacqua

Biomedical Engineering
Angelica De Rosa
Bryan Michael Kirsch
Kenetta Leigh Nunn
Peter Zsolt Sotory
Bryant Tai Wu

Biostatistics
Bradley Saul
Amelia Susannah Wallace
Laura Elizabeth Wiener

Chemistry
Shelly Rebecca Beard
Brandon Corey Landers
Torii Christian Sutherland
Samantha Viviani

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Computer Science
Sangwoo Cho
Diptorup Deb
Keethan Robert Kleiner
Yingchi Liu
Shuang Lu
Dongye Meng
Sahil Narang
Ky Waegel
Tianrong Zhang
Feng Zheng

Economics
Jose Alfonso Campillo-Garcia
Ziqian Ju
Hanwei Liu
Blanca Berenice Martinez
Christian Manuel Posso
Stephen McGregor Raymond
Pornpun Ruankong

Environmental Sciences and Engineering
Sydney Johanna Bronson
Marie De Jesus Patane
Sarah Elyse Royster

Marine Sciences
Michelle Claire Brodeur
Serena Nicole Hackerott
Kimmaree Menendez Horvath
Caitlin Legene White

Materials Science
Sabrina Sultana

Mathematics
Duo Zhao

Neurobiology
Lyudmila Kotlyanskaya

Occupational Therapy
Tacoya A. Harris

Pharmacology
Meagan Marie Davis Eldridge

Physics
Nathan Frank
Joshua Thomas Fuchs

Prosthodontics
Christian Brenes

Rehabilitation Counseling and Psychology
Megan Elizabeth Barnhill-Downey
Kristina Evangeline Gauldfeldt

Statistics and Operations Research
Jean Hee Ahn
Hongzhe Duan
Qing Feng
Zhiwen Jin
Adem Orsdemir
Xu Wen
Ping-Jie Xiao
Haojin Zhai
Wenbo Zhang

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF BUSINESS ADMINISTRATION
Lauren M. Abraham
Frank-Stephane N. Achoundong
Manuel Ernesto Aguirre
Aaron J. Anderson
Reginald J. Anderson
Silviu Emilian Angelescu
Azeem M. Ansari
James P. Antoniono
John R. Arp
Juan Arrieta
Daniel G. August
Joseph R. Bagley
Ivan Alejandro Barajas Vargas
Sherwood J. Barbee
George Matthew Barnes
Jason M. Barton
Michelle M. Bates
Maruti Srinivasarao Bathula
Kevin Halstead Bell
Samuel Martin Berger
Hilary Anne Berlin
Brad Bertinot
Eric Shane Bohannon
Jonathan Donald Boone
Rodrigo Borowski Greco Soares
Vadhiraj Botney Anilkumar
Ashley R. Boyd
Cory J. Broussard
Mary L. Byerly
Charles E. Calhoun
Brenda Carpen
Pa Samba Ceesay
Sadgun Kumar Chalasani
Louis Chen
Brian S. Chorney
Steven Michael Christopher
Matthew R. Coleman
Chad Anthony Collins
Michelle Klaer Collins
Lucinda Harper Covington
Justin A. Cox
Jack J. Davidson
John Hywel Davies
Lauri E. De Cicco
Antoya Debarros
Jeremiah E. Denonno
Brendan P. Donnelly
Teresa M. Douglas
Cristin Anne Duddy
Angela Kale Dudley
Jacquelyn D. Dunivan
Prashanth Duvoor
Tiffany Theriot Ellis
Philip Harden English
Kevin A. Erickson
Amal Saymeh Essader
Benjamin Eugene Falk
Jennifer E. Ferguson
Priyanka Fernandes
Omar Flores
Leif Christopher Forer
Gaurav Gaba
Peter J. Gadziala
David Gao
Ryan C. Garrett
Gregory Gaskey
Ryan Tyler Geracimos
Adam Zachary Gerdts
Timothy F. Goggins
Michael Goodman
Herbert Floyd Greene III
Jaykumar Gurbani
Mark Stephen Grabowski
Edward J. Gustafson
Lucia Velina Gutierrez
Brett T. Gutting
Robert F. Guyette
Alexander James Hudson Hambacher
Steven Hamilton
Mark K. Hampel
Paul John Hanus
Claiborne W. Hardeman
Bhavaniprasad Hari
Jeffrey L. Harvey
Samuel James Hawes
Kenneth Wilson Henrich
Brockton Hershberger
Thomas R. Holland
Jacqueline Holliday
Lee Horowitz
Jason M. Houghton
Brian Aaron Hsu
Allison M. Hughes
Brent A. Jones
Brian Ronald Jones
Courtney A. Jones
Paul R. Joy
Sajit S. Jumani
Carolyn Marlaine Jungclas
Athiff Kabir
Robert Christopher Keeling
Maxwell M. Keith
Christopher B. Kennedy
Ibraheem Khalifa
Yuki N. Kotani
Thomas R. Kwasniak
Christopher M. Laidley
Justin T. Larson
Shannon Camille Leak
Ann S. Lee
Kevin J. Liekweg
Adam Robert Lobene
Henry S. Longmire
Fernando Aramis Lopez
Ethan H. Luth
Lara R. Martini
Erica Jean Masten
Vinu Z. Mathew
Brendan McAuley
Joseph C. McCann
Mark McCaskill
Deena J. McConnell
John Patrick Burns McGarry
David B. Meis
Terrymore G. Miller
Jenna A. Minton
Jose A. Montes
Charles Moran
Clinton A. Moureau
Brian Frederick Moynihan
Roy A. Murray
Dennis Anthony Neelam
Darren Ng
Michael Ross Niehoff
Ryan J. Novak
Patrick O'Brien
Patrick L. Padgett
Michael Parrella
Devang Patel
Carla Pearson
Henry Robert Pellerin III
Kristen Marie Pernell
Jessica L. Perry
Joseph R. Petkus
Bertrand Playe
Michele E. Pugh
Shawn D. Racz
Thomas P. Raftery

Jason T. Rall
Dustin M. Reagan
Sean R. Reilly
Robert Wilson Revels
Samuel Eugene Roberts II
Udo P. Rodemann
Jason Roncoroni
Ryan Book Roth
Daniel S. Rubin
Renato Alfredo Sanchez Eguizabal
James Gregory Sanders
Christopher J. Schmitt
Brandon R. Schnittker
Sean P. Scott
William Jackson Scott III
Matthew Shait
Andrew P. Shessler
Ashok Vitthal Shinde
Amanda Shuker
Louis Gordon Sinclair III
Benjamin Randolph Smith
Mitchell Everette Smith
Christopher Ryan Sturgill
Philip N. Suchyta
Ejaz A. Syed
Masahiro Tanaka
Alisha C. Taylor
Andrew Tebsherani
Leigh Ann Thomason
John S. Thornton
Dennis Salvatore Tichio
Peter D. Trinkle
Michael T. Tubridy
Joyce Brenda Tucker-Harper
Delane M. Vaughan
Michael Kip Viscusi
Khaner Lewis Walker
Baohong Wan
Edwin Y. Wang
Philip David Watson
Timothy Weed
Christopher A. Welch
Doug Whittlesey
Andrew B. Williams
Monte S. Willis
Emily Jane Wood
Manoj Bobby Subbarao Wunnava
Samuel D. Young
Garth Alexander Zoller

The School of Education

ESTABLISHED 1885
Dean G. Williamson McDiarmid

MASTER OF EDUCATION
LTeisha Thompson Curtis

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION
Ruth Llewellyn Rivas
Jeremy Scot Schmidt

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Vida Djaghouri
Mary Rebecca Mellon
Jayasurya Somasunder
Tana Wilder Stewart
Luke Alan Williamson

MASTER OF SCIENCE IN LIBRARY SCIENCE
Kristen Laura Bowen
Barrye Oliver Brown
Christine Joy Cherney
Lindsay Jane Conway
Caroline Eckardt
Stacy Renee Gilbert
Hillary Ann Hollinger
Marli Danielle Johnston
Joshua Venizelos Leto
Ruth Lynn Link
Christine Frances Mayo
Meredith McClure-Scott
Valerie Anne Moore
Megan Renee Proctor
Jody Darrell Smith
Megan Renee Williams

The School of Law

ESTABLISHED 1843
Dean John Charles Boger

MASTER OF LAWS
Cornelia Johanna Maria Kibler

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY
Chenin D. Duclos

MASTER OF RADIOLOGIC SCIENCE
Elizabeth Pearl Acquafredda
David Brent Barker
Philip James Butcho
Katie Shannon Denham
Jonathan Andrew Marx
Elyse Min-Eun Miller
Christopher Michael Young

The School of Nursing

ESTABLISHED 1950
Dean Kristen M. Swanson

MASTER OF SCIENCE IN NURSING
Catherine M. Crawford
Dena Adele Evans
Annemarie R. Funt
Kerrie Ann Gottschall
Cheryl Ann Green
Kathleen Marie Moylan Little
Sharon Marie Tallman

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION
Stanlin Alexander
Arti Chandrakant Bhatt
Brian Robert Boston
Mark Edward Bozymski
Kaitlin Elizabeth Breckinridge
Eddie Lee Clifton
Kevin Robert Corbin
Thomas Michael Duggan
Alice Smith Eudy
Silvana Paula Fischman
Aaron Mack Fisher Jr.
Jonathan Alejandro Foronda
Steven Jay Goldman
David Leon Gore
George Arthur Guthrie
Kelly Marie Harris
Olugbemiga Ebenezer Jegede
Mindy McAlister Jones
Rima Karsalia
Tippu Khan
Sorin Cristian Laza
Mollie King Lynch
Alyssa Jean Mansfield
Laura Lynn Marston
Christopher Martel

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written spccifically for the University that features its school songs.

Samuel K. McGinnis
Delores Poole McNair
Rebecca Lynette Middleton
Kristain Maria Miller
Akiva Mintz
Lorraine Simone Mobarak
Sarah Bolt Moore
Edward Kojo Ocran
Christina Judith Oery
Brian Howard Old
Shweta M. Patel
Marcia A. Plessinger
Jason M. Plymale
Mark Reeves Quale
Stuart Leader Reasons
Amy Lynn Roberts
Yasmin K. Sadiq
Bret M. Shultz
Jonathan E. Stanford
Ramya Subramanian
Amy Belflower Thomas
Lindsay Michelle Trost
John M. Valgus
Lynn Wilson Watkins
Meredith Elizabeth Webb
Dana Leigh West
Christopher Thomas Whitlow

MASTER OF PUBLIC HEALTH

Kate Marie Abel
Victor Harry Agbeibor
Elizabeth Mary Alexy
Walter Lee Ball Jr.
Briane Barbeau
Jessica Rae Beattie
Michael Martin Beeghley
Kelly Elaine Bellomy
Hadi Beyhaghi
Jewell C. Booth
Laura Patricia Boschini
Julia Catherine Brasileiro
Lindsay Bever Breithaupt
Raina Goldstein Bunnag
Juan Luis Castro Cordoba
Yi-Ting Chen
Brittany Ann Crump
Maria Frances D'Souza
Trevor Cervenka Dickey
Katie Mae Dight
Meredith Johnson Ebersohl
Amanda R. England
Heather Lynea Fitzgerald
Jennifer Lyn Drace Frutchey
Kiah Pape Gaskin
Charissa Reed Gray
Angelle Ison Griffin
Carrie Clark Harrill
Adalynn Elyssa Harris
James D. Hearn
Nicole Tennille Hemkes
Shayna Ann Hill
Margaret Melissa Holmes
Sarah Sloan Iracane
Billie Lauren Karel
Elyse Mallory Keefe
Nancy B. N. Kenney
Katherine Virginia Kline
Hazel Lai
Brian Montgomery Lappas
Trinh Le
Hannah Meacham Legerton
Sherry Michelle Leonard
Elizabeth Rachel Leslie
Lisa Ruth LeTourneau
Teisha Gabrielle Lightbourne
Eli Richard Lovell
Sarah Margaret Lowe
Matthew Preston Lungren
Jill Ellen Marshall
Martha K. McKay
La Shonya McNeil
Ashley Marie McPhail
Maegan Lorraine Mohr
Jonathan A. Ohlsson-Shepherd
Eze Okeagu II
David J. Orringer
Bianca Yogesh Patel
Gretchen Balboa Paule
Tracy Badgett Peeples
Bhavyathmika Varanasi Reddy
Lesley Anne Rollins
Vipulbhai Chandubhai Sakhiya
Adrianne Elizabeth Sever
Peter Richard Steenland
Allison Elizabeth Stevens
Elizabeth Abigail Stevens
Jennifer Ramstack Stewart
Jacquelyn Yocom Supplee
Samantha Lynn Tinsley
Dane C. Warner
Emily Barrows Welker
Jillian Elise Williams
Alecia Su Wong
Nasim Azizeh Youssefi

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

John Jihoon Kim

MASTER OF SCIENCE IN PUBLIC HEALTH

Oluseyi Folake Akinola
Emily E. Barrows
Ricky L. Camplain
Jordan E. Cates
Sydney Allison Jones
Matthew T. Price
Rebecca A. Stephens
Nadja Alexandra Vielot

The School of Social Work

ESTABLISHED 1920
Dean Jack M. Richman

MASTER OF SOCIAL WORK

Crystal Marie Barnes
Priyadarshini Evangeline Chelladurai
Brittany Clark
Katie Mae Dight
Kiah Pape Gaskin
Charissa Reed Gray
Carrie Clark Harrill
Elyse Mallory Keefe
Hannah Meacham Legerton
Melissa Lamb Saunders
Emily Marion Waters

CANDIDATES *for* BACCALAUREATE DEGREES

December 2014

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African, African American, and Diaspora Studies
Qualyn Patrice Brown

African and Afro-American Studies
Ethan Gregory Farmer
Reggie Maurice Wilkins

American Studies
Sophie Marie Baer
Katherine D. Lott
Sarah Julia Seldin*
Noah M. Simmons

Anthropology
Graysen Steele Boles
Elizabeth Rae Francis*
Grant Allen Muir
Anthony P. Murphy
Bill Peter Pappas
Stacy Lynn Ralston*
Divya Ravi
Fiama Lilieth Reyes
Rafael Sanchez
Rebecca Lynn Shellenberger
Ioana Ungureanu

Archaeology
Erik Devin Bolling
Kelly Dean Gagnon
Lauren Rebecca Garrett

Art History
Amanda Sue Paige-Lovingood+
Camille Adele Zimmerman

Asian Studies
Grant Matthew Huffman*
Jimmy Yu-Chuen Liao
Anna Torá
Kosuke Youngshin
Benjamin Uyama

Biology
Michael Auriemma
Hamda Jabbar Awan
Elena Ivette Boucher
Johnny Andres Camargo
Caitlin Tweed Cantrell
Kenny Cao
Kyree Jalen Clark
Fatima Rose Lasala Domagtoy
Gerald Alan Edwards Jr.
Elizabeth Joslyn Fisher
Silvan B. Goddin
Aurora-Rossana Hernandez
Courtney Briana Houston
Malika Fantasia Jackson
Alexander Ravi Lowell Jhirad
Brooke Gavin McKenna*
Vasilika Millo
Andrew Bryant Muniz
David Paladin-Fernandez*
Andrew Michael Pierce
Brandon Scott Reese
Nathaniel T. Spain
Quanasha Taylor
Joseph Zachary Theriot
Ioana Ungureanu
Elise Widman
Amanda Almetter Williams

Chemistry
Wyeth Dodge Alexander*
Joseph Morden Campbell
Dylan Samuel Catlett*
James Sherwood Coxe
Douglas Alan Daniel
Eduardo Antonio Guizan
Brittany Terése Henderson
Charles Taylor Kuang
Chase Walker La Rue
Jiyeon Lee
Amanda Marie Merrill
Caitlyn Danielle Ocampo
James William Pata
Virginia Perello
Pasan Lahiru Perera
Mathew Brent Purser
Caroline L. Schuerger
Anna Torá

Classics
Christian Blake Cotton

Communication Studies
Lauren Adkins
Carrie Goldsmith Aldrich*
Ayana Elizabeth Banks

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University's way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Rebecca Juliana Brock
Elizabeth Procter Burchenal
Chelsey Janea Butler
Patricia Tyler Cannaday
Kimberly R. Carducci*
Tran Nha Chau
Nolan C. Cobb
Robert Dalton Covington
Andrew Murray Craven
Nicolaus Anthony Dubreuil
Samuel Carr Duckett
Ciara Marie Ellis
Roy Ellis
Mitchell Graeber Ford
Carter Allen Fourqurean
Christopher Joseph Gaudette
Kiana Ashante' Glover
Avni A. Gupta
Anne Clark Hathaway*
Martika LaChon Jenkins
Austin Douglas Johnson
Parks Jordan
Hannah Elizabeth McCormick*
Mark Christopher McNeill
Tyler Lynn Mofield
Thomas Francis Barlow Moore
Chaniel Lea Nelson
Chibuzo George Odenigwe
Bill Peter Pappas
Yunlong Pei*
Christopher Gregory Pendergrass*
Christopher Francis Petto
Claudia Adriana Quiros
Ashley Elizabeth Schaefer
Amanda Marie Scuderi
Stephen Andrew Smith
Dingyu Tao
Samantha Gillian Travers
Mary Scott Winstead
Cheuk Ming Sunny Yeung

Comparative Literature
Matthew Andrew Perez

Computer Science
Fulton B. Byrne
Justin Hayward Forsyth
Eric Y. Guan
Ethan Joel Overman
Andrew Jeanwon Park
Nathaniel Elias Reynolds

Contemporary European Studies
Seth Lemuel Barker
John Morris Lynch

Dramatic Art
Meghan Danielle Carpenter*
Jessica Leigh Sorgi
Marley Lassen Toben*

Economics
Ahmet Akbay
Adam Kyle Asfari
Antony Vlad Bogodist*
Brendan Seamus Burke
Joshua Kesse Burrows*
Amanda Karianne Carpenter
Jaehee Choi
Alexander Peter Ciesielski
Zachary Lee Cowan*
Anthony Curcio*
David Lewis Deans
Kunal Ulkesh Desai
Justin Dale Edwards
Jessica Taylor Elliott
Brian Andrew Fuller
Jessica Nicole Glover
Alexander Lee Guzman
Jinseong Hong*
Aneesh Ahamad Khan
Dongwoo Kim
David Joseph King
Irina Kirnos
Andrew Wilson Knox
Aneesh Kodali
Nirav Vanraj Lakhani
Eric Michael Lau
An Ngoc Le
Matthew Leary
Michael Hansang Lee*
Blake Phillip Lozzi
Cody W. Lynn
Rachael Nicole Martin*
Maria Veronica Martinez Villalba
Dillon Cole McNeill*
Alec Thomas Mercolino
Brendan Albert Moore
Jennifer Anne Musso
Thomas Nolan
Patrick Norton
Lamont Jamal O'Neal
Paige Elizabeth Owens*
Reid White Palmer
Michaela Pavlusik
Daniel Joseph Philips
Chelsea Amit Pittman
William Christopher Ray
Aaron Craven Riddick
Emily Cobb Russell
Samuel Peter Salvesen
Matthew Thomas Sherman*
David Alexander Stoy
Amira Salah Swelam
Verneri Valimaa
Joseph Dwyer Vance
Matthew Brian Williams
Haemi Won
Christian Patrick Wurtz
Jack Xia
Qiaohuan Yang*

English
John Michael Chelminski*
Brennan W. Doran*
Lindsay Cushman Griffin
Emily Marie Gustafson
Eleanor Rayne Houser
Manu Jarvis
Martika LaChon Jenkins
Daniel E. Leef
Alec Thomas Mercolino
Meredith Lauren Moore
Brian David Quast*
Adrianna Sarrimanolis*
David Hooper Schultz
Berton Frederick Spring
Jean Carlos Tubay
Nathan Thomas Vail
Thomas Clay Vickers*
Savannah Jean Welch*
Christine Haeun Yoon*

Environmental Studies
Rachel Laura Norman

Exercise and Sport Science
Sophie Marie Baer
Emma Beisheim*
Austin Keith Brown
Jennifer Lynn Clarida
Jordan Phillip Darty
Michael Anthony Diaz
Kent Jeffrey Emanuel
Tyler G. Engel
Eliza Vail Enloe
Laura Ann Fazzina*
Abby Joline Frey
Lauren Alaina Gaillard
Antonio Salvatore Giorgio
Alexis T. Hall
Amy Glidden Kovick
Elizabeth Frances Lang
Jennifer Anne Lindh
Giuli Marie Lurito
William Alexander Marrs
Christopher Michael McGann*
Jordan Paul Meeks
Kathryn R. Nigro
Emer O'Reilly
Jacob Daniel Reinemund
Charles F. Root
Zachary S. Russell
Timothy C. Scott
Terry Leroy Shankle
Tyrone Thorpe Jr.
Stephen Graham Tuttle
Matthew Valeriani
Elise Widman

Geography
Belton Commander Baker
Anna Elizabeth Graves
Wilson Allen Henry*
Tracy Lynn McInturff

Geological Sciences
Courtney Briana Houston

Germanic and Slavic Languages and Literatures
Christian Jacob Ehrisman
Alexandra Leigh Fulton*

Global Studies
Bria Diamond Backman
Kyle Bullington
Tamara Nicole Chance
Luke Perry de Leon
David Lewis Deans
Reagan Taylor Henderson
Jamie Lynne Huffman*
Shirley Cason Jenkins
Jeremy Klopfer
Adam M. Kridler*
Adrienne Ellen Dickerson Madry
Helena Molina*
Kristina Lynn Morrow
Matthew Carl Nelson
Trang Quynh Nguyen
Victoria Lee Pace
Emily Ann Parker
Stacy Lynn Ralston*
Davis Gardner Rand
Alexandra Anne Robinson
David Joshua Ross
Frances Martin Schick*
Anna Katherine Stewart
Alexander Mebrahtu Tesfay
Michael Anthony Ward
Joshua Louis Weinstein
Andrew Glenn Worrell*
Alexander S. Worthy*

History
Glenn F. Bitler
Joseph Francis Curran

Jared Raymond Dix
Thomas Dylan Foster
Sarah Elizabeth Gregory
William Gray Leland
Kimiko Nicole LeNeave
Katherine D. Lott
Molly Grace McGill
Katie Ann Musgrove
Matthew Carl Nelson
David Paladin-Fernandez*
Dylan Charles Paul
Brian David Quast*
David Joshua Ross
Ashley Elizabeth Schaefer
Cole Blayne Sito
Paula Lynne Slinglend
Anna Katherine Stewart
Brooks William Stoioff
Roy Franklin Wood

Interdisciplinary Studies
Caroline Reid Chambers

Latin American Studies
Kimiko Nicole LeNeave
Samuel Peter Salvesen
Gina Theresa Torres-Perryman*

Linguistics
Joseph Francis Giallo III
Grant Matthew Huffman*
Michaela Anne Neeley*

Management and Society
Ahmet Akbay
Craig Marshall Barclay
William Austin Black
Patrick Craig Foster
Gabriel Joseph Gorelick
Lauren Paige Kalin*
Destiny Angelica Kelly
Nicole Ashley Kenney
David Joseph King
Glen Alan Long
Matthew Morse Manasco
Mark Christopher McNeill
Thomas Francis Barlow Moore
Pokita Shanee Pollard
Elkin Javier Salinas
Lisa Irene Svendsgaard
Jevanna Cadon Thomas-Gibson
Ellis Allan Tinsley
Christian Patrick Wurtz

Mathematics
Christopher J. Brodowicz
Danielle Leigh Daniel
Walter Kelly Davis
Daniel Joseph Dyer
Kerry M. Ellwanger*
Ilona Saari Fleischer
Aneesh Kodali
Cody W. Lynn
John Adams McNairy III
Daniel Pierce Theodore*
Yidi Wu*

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Paige Kimball Burhans*
George B. Thorne

Peace, War and Defense
Connor Dowd Barrett
Steven Anthony Chickos
Greyson Hunter Cook
Michael Lee Davis Jr.
Jamie Glickman
Andrew Scott Noble
James Bitler Phelps
Frances Martin Schick*
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Steven Lloyd Edwards
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Physics
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Nicholas Ballard Richardson
Qiuyu Tian

Political Science
Marlin Eugene Adams
Abir Akhand
Seth Lemuel Barker
Brian F. Castro
Jonathan Duke Corriher
Tyler Deal
Luke Perry de Leon
Shelby Dyl
Christian Jacob Ehrisman
Anthony Jerome Gore Jr.*
Hayden David Haberle
Nicolai Haerri
Charles Edward Hellwig
Trey Ervin Hensley
James Christopher Holaday
Wesley R. Honeycutt*
Jamie Lynne Huffman*
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Elizabeth Frances Lang
Telmo Alejandro Llanga
John Morris Lynch
Kelly Maclean Martyn
John Kyungyung Mason*
John Adams McNairy III
Larab Mohsin
Grant Allen Muir
Anthony P. Murphy
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Michaela Pavlusik
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Noah M. Simmons
Lauren Elizabeth Starnes*
Robert Marshall Sykes
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Michael Anthony Ward
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Manuel Enrique Amaya
Bria Diamond Backman
Stefanie Kay Bass
Kersey Hannah Begany*
Zachary M. Briggs
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Paul Vincent Sullivan
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Jandira Alexandra Zaki
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Heidi Elise Anderson
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Darius J. Latham
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Romance Languages
Brian F. Castro
Shelby Dyl
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Maria Christine Hoover*
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Nicole Ashley Kenney
Hunter Nicole Lewis*
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++ *Indicates Highest Honors recipients.*

Christopher Francis Petto
Airianne Posey
Matthew R. Roberts
Samantha Gillian Travers
Tien Linda Phuong Vu

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Rebecca Sloan Harrill
Kathy Darlene Miles Morgan*

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Geological Sciences
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Molly K. Mulhern
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Michael Hansang Lee*
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Carolyn Maura Van Houten
Alejandra Villacis
Shawanne Wang
Caleb Joseph Wilkie
Haemi Won
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BACHELOR OF SCIENCE IN PUBLIC HEALTH
Palak K. Patel*++

Candidates Commissioned in the Armed Forces

DECEMBER 2014

UNITED STATES MARINE CORPS SECOND LIEUTENANT
Marlin Eugene Adams

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\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

December 2014

Postbaccalaureate Certificates

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Erin Kate Curtis
Aaron Ross Dahlstrom
Lindsey Marck Fronk
Valerie Ann Marino
Tracey Nicole Miller
Amy Elizabeth Sayle
Melissa Ann Maxwell Schaffner
Gillian Mills Speace
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Rishtya Kakar
Alison Lori McKnight
Mary Christine Owre

CERTIFICATE IN FIELD EPIDEMIOLOGY

Natosha Boyd
Sharanya Meera Krishnan
Sherry Yocum

CERTIFICATE IN GLOBAL HEALTH

Rebekah Jasper Cummings
Jennifer Stuart Mabie

CERTIFICATE IN OCCUPATIONAL HEALTH NURSING SPECIALTY

Jolene Sawyer Spencer

GRADUATE DEGREES

August 2014 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

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Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Yousuf Al-Bulushi, *Geography,* The Struggle for a Second Transition in South Africa: Uprising, Development and Precarity in the Post-Apartheid City. Professor John Pickles.

Yunus Annayev, *Biochemistry and Biophysics,* Characterization of New Mouse Circadian Clock Gene: GM129. Professors Aziz Sancar and Greg Wang.

Alexandra Arreola, *Genetics and Molecular Biology,* Molecular and Physiological Roles of Von Hippel-Lindau Mutation and Hypoxia Inducible Factors: Fine-Tuned Expression Effects on Angiogenesis and Metabolism. Professor Wendy K. Rathmell.

Rose Aslan, *Religious Studies,* From Body to Shrine: The Construction of Sacred Space at the Grave of Ali ibn Abi Talib in Najaf. Professor Carl W. Ernst.

Lynn Ann Badia, *English,* A Universe of Forces: Energy in Early 20th-Century Theory and Literature. Professors Lawrence Grossberg and Tyler Curtain.

Austin James Baird, *Mathematics,* Modeling Valveless Pumping Mechanisms. Professor Laura Miller.

John Stewart Bankhead, *Romance Languages and Literatures,* Queer(ed) Bodies, Spaces and Forms in Selected Works by Reinaldo Arenas, Mario Bellatin and Isaac Chocrón. Professor Alicia Rivero.

Nicholas George Batz, *Chemistry,* Development and Application of Surface Coatings for Microchip Capillary Electrophoresis-Electrospray Ionization-Mass Spectrometry Analysis of Biological Analytes. Professor John Michael Ramsey.

Sarah E. Bauerle, *Political Science,* Cronies, Capitalists and Control: Foreign Direct Investment Regulation, International Capital Flows and Banking Sector Reforms. Professor Layna Mosley.

Zane Van Beckwith, *Physics,* Dynamic Critical Properties of Disordered Magnetic Systems. Professor Dmitri Khveshchenko.

Rebecca Lynn Begalle, *Human Movement Science,* Double and Single Leg Landing Biomechanics in Adolescent Female Athletes with a History of Anterior Cruciate Ligament Reconstruction and the Effects of Verbal Instructions on Acute Alterations in Landing. Professor Darin Padua.

LeeMarie Ayers Benshoff, *School Psychology,* Validity of a Local Norms Approach for Universal Screening in Early Childhood Response to Intervention. Professors Barbara Wasik and Ellen Peisner-Feinberg.

Michael Anthony Bertucci, *Chemistry,* Synthetic Agents for the Derivatization of N-Acyl Homoserine Lactones. Professor Michel Gagne.

Belle Bryant Booker, *Education,* Science Teachers' Efficacy Beliefs, Mastery-Focused Instruction, and Students' Efficacy Beliefs: A Multilevel Structural Equation Model. Professor Judith Meece.

Laurel Almira Bradley, *Anthropology,* Health, Well-Being, and Rights: Mapping the Boundaries of Belonging for Filipino Caregivers in Israel. Professor Michele Rivkin-Fish.

Merrick Lancaster Brown, *Mathematics,* Saturation Problem for Affine Kac-Moody Algebras. Professor Shrawan Kumar.

Sara Farner Budarz, *German Studies,* Inside the City: Gender and the Production of Space in Weimar Republic German Literature, 1929–1933. Professor Eric Downing.

Alison Reimuller Burns, *Psychology,* Development and Validation of an Observational Measure of Alcohol-Specific Communication. Professor Andrea Hussong.

Anne Mobley Butler, *Epidemiology,* The Cancer Burden and Patterns of Erythropoiesis-Stimulating Agent Use Among End-Stage Renal Disease Patients on Hemodialysis. Professor M. Alan Brookhart.

Brandon R. Byrd, *History,* An Experiment in Self-Government: Haiti in the African-American Political Imagination, 1863–1915. Professor W. Fitzhugh Brundage.

James Donald Byrne, *Pharmaceutical Sciences,* Iontophoretic Delivery of Cytotoxic Agents for the Treatment of Solid Tumors. Professor Leaf Huang.

Courtney Marie Cameron, *Psychology,* The Role of Rapid Dopamine Signaling Within the Nucleus Accumbens in Natural and Drug Reward-Seeking Behaviors. Professor Regina Carelli.

Shanyce L. Campbell, *Public Policy,* Quality Teachers Wanted: An Examination of Standards-Based Evaluation Systems and School Staffing Practices in North Carolina Middle Schools. Professor Gary Henry.

Jason Carter, *Computer Science,* Automatic Difficulty Detection. Professor Prasun Dewan.

Guanhua Chen, *Biostatistics,* Statistical Learning for Biomedical Data under Various Forms of Heterogeneity. Professor Michael Kosorok.

Ting-Huci Chen, *Biostatistics,* Penalized Estimation Methods and Their Applications in Genomics and Beyond. Professors Wei Sun and Jason Fine.

Haw Cheng, *Physics,* A Photometric Study of the Dwarf Spheroidal Galaxies LEO IV and BOÖTES II. Professor Bruce Carney.

Diana R. Chirovsky, *Health Policy and Management,* Comparative Effectiveness of Surveillance and Current Treatment Approaches for the Detection and Management of Hepatocellular Carcinoma in East Asia. Professor Kristen Hassmiller Lich.

Rushina Cholera, *Epidemiology,* HIV and Depression in a Primary Care Clinic in Johannesburg, South Africa. Professor William Miller.

Warren Edmund Christian, *Education,* A Statistical Distance: Examining the Experiences of Chinese Graduate Instructors and Their Undergraduate Students in Statistics Courses. Professor James Trier.

Rosario Colchero-Dorado, *Romance Languages and Literatures,* Del Silencio al Alzheimer: Releyendo al Anciano en Tres Novelas sobre la Transición. Professor Samuel Amago.

Daud Cole, *Biochemistry and Biophysics,* Shape Analysis of Telomerase RNA Form and Function. Professor Barry Lentz.

Joshua G. Coyne, *Business Administration,* Equity Analysts' Earnings Forecasts and Information Asymmetry in Private Lending. Professor John R. M. Hand.

Tessa Crowl, *Genetics and Molecular Biology,* SOX2 is Critical for the Maintenance of Quiescence and Homeostasis in Nascent Müller Glial Cells. Professor Ellen Weiss.

Jessica A. Cuellar, *Psychology,* Neighborhood Contributions to Positive Parenting and Youth Externalizing Problems: A Multi-Sample Study of African-American Single Mother Families. Professor Deborah Jones.

Jeffrey Stuart Damrauer, *Genetics and Molecular Biology,* Discovery and Characterization of Molecular Subtypes in High-Grade Urothelial Carcinoma. Professor William Kim.

Benjamin Danforth, *Political Science,* The Development of Education Systems in Advanced Capitalist Societies. Professor John Stephens.

Myra Grace A. dela Pena, *Microbiology and Immunology,* CD4+ T Cells in Infant Immunity. Professor Kristina Abel.

Cynthia Paula Demetriou, *Education,* Reflections at the Finish Line: The Activities, Roles, and Relationships of Successful First-Generation College Students. Professor Judith Meece.

Jason Christopher Dyke, *Chemistry,* Designing Biomimetically Inspired Materials for Potential Orthopedic Tissue Engineering Applications. Professors Wei You and Ching-Chang Ko.

Luke Elson, *Philosophy,* Vagueness in Action. Professor Geoffrey Sayre-McCord.

Eva Erber, *Nutrition,* Acculturation, Body Mass Index and Type 2 Diabetes Risk in Asian Americans. Professor June Stevens.

Jeremy P. Erickson, *Computer Science,* Tardiness Bounds and Overload in Soft Real-Time Systems. Professor James Anderson.

Kaitlin Fague, *Chemistry,* Multidimensional Separations with Ultrahigh Pressure Liquid Chromatography-Mass Spectrometry for the Proteomics Analysis of Saccharomyces Cerevisiae. Professor James Jorgenson.

Lydia Feinstein, *Epidemiology,* Implementation of Pediatric HIV Prevention and Care Guidelines in Routine Settings: Outcomes among HIV-Exposed Infants in DR Congo (2007–2013). Professor Frieda Behets.

Nicole Marie Fenton, *Psychology,* The Adolescent Health Belief Model: Conceptalizing Cognitive Factors That Influence Medication Non-Adherence Among Adolescents. Professor Don Baucom.

Ellen E. Fitzsimmons-Craft, *Psychology,* Examining an Elaborated Sociocultural Model of Disordered Eating among College Women: The Roles of Social Comparison and Body Surveillance. Professor Anna Bardone-Cone.

Kim A. Gaetz, *Epidemiology,* Free to Breathe, Free to Teach: Indoor Air Quality in Schools and Respiratory Health of Teachers. Professor David Richardson.

Michael Geier, *Chemistry,* New Mechanisms for Turnover and Functionalization in the Platinum Initiated Cyclization of Polyenes. Professor Michel Gagné.

Emily M. Gidcumb, *Materials Science,* Performance of a Carbon Nanotube Field Emission X-Ray Source Array for Stationary Digital Breast Tomosynthesis. Professors Otto Zhou and Jianping Lu.

Benjamin Charles Giglio, *Chemistry,* Alkene Difunctionalization Using Hydroxamic Acids. Professors Erik Alexanian and David Nicewicz.

David Hamilton, *Chemistry,* Anti-Markovnikov Addition Reactions of Oxy-Acids to Alkenes Enabled by Photoredox Catalysis. Professor David Nicewicz.

Conor M. Harrison, *Geography,* Power for All? Electricity and Uneven Development in North Carolina. Professor Scott Kirsch.

Yizhou Joseph He, *Genetics and Molecular Biology,* Identification of Novel Regulatory and Target Proteins in the P53 Pathway: APC2 and PFK2. Professors Yanping Zhang and William Marzluff.

Scott Houck, *Cell and Developmental Biology,* Degradation of Misfolded Membrane Proteins via ERQC Autophagy. Professor Douglas Cyr.

Kristen Vaughn Bell Hughes, *School Psychology,* Academic and Civic Outcomes of African-American Graduates of Historically Black and Historically White High Schools. Professors Rune Simeonsson and Jonathon Livingston.

Ellis Eugene Hughes, *Romance Languages and Literatures,* Confession(s) of an Early Modern Virago: Situating Confession, Evangelizing and Defense of Women in the Works of Hélisenne de Crenne. Professor Hassan Melehy.

Jungwon Huh, *Social Work,* The Resource Availability and Work First Use Among Low-Income Mothers in North Carolina. Professor Dean Duncan.

Rebecca A. Hunter, *Chemistry,* Electrochemical Measurement of Nitric Oxide from Biological Systems. Professor Mark Schoenfisch.

Noorie Hyun, *Biostatistics,* Analysis of Interval Censored Data Using a Longitudinal Biomarker. Professors Donglin Zeng and David Couper.

Lauren Elizabeth Jarocha, *Chemistry,* Electron Paramagnetic Resonance Studies of Spin and Molecular Motion in Surfactant Aggregates. Professor Malcolm D. E. Forbes.

Silia Kaplan, *German Studies,* Fragmented Bodies and the Exploded Boundary between Self and Other: Discourses of Trauma in the Visual Media of Early Weimar Germany, 1916–1926. Professor Eric Downing.

Saleema A. Karim, *Health Policy and Management,* The Magnet Recognition Program: What Are the Effects on Financial Performance? Professor George Pink.

Megan C. Kassabaum, *Anthropology,* Feasting and Communal Ritual in the Lower Mississippi Valley, AD 700–1000. Professor Vincas Steponaitis.

Syed Muaz Khalil, *Microbiology and Immunology,* Characterization of Alphavirus Replicon-Based Vaccines and Adjuvants in a Neonatal Murine Model. Professor Laura White.

Nikhil Kishor Khankari, *Epidemiology,* Polyunsaturated Fatty Acids, Genetic Susceptibility, and Breast Cancer Incidence and Survival. Professor Marilie Gammon.

Meagan Millen Knowles, *School Psychology,* Association between Teacher Liking and Student Characteristics, and the Influence of Job Satisfaction and Peer Social Preference. Professor Barbara Wasik.

Tu Lan, *Geography,* Made in Italy, by Chinese: How Chinese Migration Changed the Apparel Production Networks in Prato. Professor John Pickles.

Karen A.F. Landale, *Business Administration,* Examining Accession and Retention and the Role of Relationship Marketing in Public Service Organizations: Three Studies. Professor Jan-Benedict E.M. Steenkamp.

Jonathan Leano, *Biochemistry and Biophysics,* The CLASP Family Regulates Microtubule Dynamics by Using an Array of TOG-Like Domains. Professors Kevin Slep and Andrew Lee.

Jill Farnell Lebov, *Epidemiology,* Pesticide Exposure and End-Stage Renal Disease among Pesticide Applicators and Their Spouses in the Agricultural Health Study. Professor Lawrence Engel.

Elizabeth Chase Lessey-Morillon, *Cell and Developmental Biology,* The RhoA Guanine Nucleotide Exchange Factor, LARG, Mediates ICAM-1-Dependent Mechanotransduction in Endothelial Cells to Stimulate Transendothelial Migration. Professor Keith Burridge.

Peng Li, *Computer Science,* Replication and Placement for Security in Distributed Systems. Professor Michael Reiter.

Xiaoxi Liu, *Biostatistics,* Variable Selection and Statistical Learning for Censored Data. Professor Donglin Zeng.

Zhipeng Lu, *Biology,* Comprehensive Analysis of Eukaryotic SM-Associated Ribonucleoprotein Complexes. Professor A. Gregory Matera.

Hanlin Luo, *Materials Science,* Metal Complexes Derivatized Metal Oxides as Nanostructured Electrodes in Electrochemistry or Photoelectrochemistry. Professor Thomas Meyer.

Sara Mamo, *Speech and Hearing Sciences,* Electrophysiological and Psychophysical Measures of Auditory Temporal Processing. Professor John Grose.

Andrius Masedunskas, *Biology,* The Role of Actin Cytoskeleton in Endocytosis and Exocytosis in the Salivary Glands of Live Rodents. Professor Steve Rogers.

Rita-Marie Thomas McFadden, *Oral Biology,* The Role of Curcumin in Modulating Colonic Microbiota during Colitis and Colon Cancer Prevention. Professor Pawel Kiela.

James Silas McGinley, *Psychology,* A Novel Mixed Effects Modeling Framework for Longitudinal Ordinal Substance Use Data. Professor Patrick Curran.

Luke Justin McKay, *Marine Sciences,* Microbial Ecology of a Manmade Oil Spill in the Gulf of Mexico and a Natural, Hydrothermal Oil Seep in the Gulf of California. Professor Andreas Teske.

Matthew Meiners, *Biology,* The Mechanism of Modulation of the Escherichia Coli DNA Helicase II (UVRD) Unwinding Activity, A Study of the 2B Subdomain. Professor Steven W. Matson.

Obiajulu Emmanuel Melekwe, *Nursing,* Ability to Work and Its Relationship with Health Status and Health Behaviors in Nursing Assistants Employed in North Carolina Nursing Homes. Professor Mary Palmer.

Chelsea Redeker Milbourne, *English,* Revisions of Nature: Spectacle, Gender, and Public Science Rhetoric in 18th-Century Great Britain. Professors Jordynn Jack and Jane Danielewicz.

Michelle F. Miranda, *Statistics and Operations Research,* Bayesian Analysis of Ultra-High Dimensional Neuroimaging Data. Professor Joseph Ibrahim and Hongtu Zhu.

Megan Kelly Mitchell, *Philosophy,* Implicit Bias, Colorblindness and Institutional Racism. Professor Bernard Boxill.

William Brandon Monteith, *Chemistry,* Residue Level Quantification of Protein Stability in Living Cells. Professor Gary Pielak.

Yves Maurice Morillon, *Microbiology and Immunology,* Thymic Development of Autoreactive T Cells in NOD Mice, and the Altered Trafficking of T Cells Following Antibody Mediated Crosslinking of the CD4 Co-Receptor. Professors Roland Tisch and Barbara Vilen.

Laura Rose Neser, *Geological Sciences,* The Timing of Laramide Deformation in the Northern Rocky Mountains. Professor Kevin Stewart.

Mai Anh Ngo, *Economics,* The Impact of Credit Constraint on Exporting and Innovation: Evidence from Ghana and Vietnam. Professor Patrick Conway.

Melanie R. Nicol, *Pharmaceutical Sciences,* Pre-Exposure Prophylaxis for HIV: Linking Antiretroviral Pharmacokinetics and Pharmacodynamics to Identify Optimal Dosing Strategies. Professor Angela D. M. Kashuba.

Sarah Nicolson, *Pharmacology,* Understanding Mechanisms of Adeno-Associated Virus Vector Transduction through Pharmacological and Biological Approaches. Professor R. Jude Samulski.

Sara Niedzwiecki, *Political Science,* Multilevel Social Policies and Partisan Alignments: Cash Transfers and Healthcare in Argentina and Brazil. Professor Evelyne Huber.

Oscar Ignacio Guerra Nunez, *Mass Communication,* Empowerment of Foreign-Born Latino Students through the Use of Digital Educational Technologies: A Collective-Case Study. Professor Rhonda Gibson.

Tyler Randolph Oakley, *Romance Languages and Literatures,* Nihilism in Turn-of-the-Century Spanish Drama. Professor Samuel Amago.

Christopher Joseph O'Conor, *Biomedical Engineering,* TRPV4-Mediated Mechanotransduction in Articular Cartilage Function and Disease. Professors Farshid Guilak and Elizabeth Loboa.

Douglas M. Ornoff, *Pharmacology,* Development of a Cellular Analysis Platform Featuring Arrays of Patterned Microwells Fabricated Atop Permeable Supports. Professors Nancy Allbritton and Robert Nicholas.

Yannick Jeanine Orthodoxou, *School Psychology,* A Cross-Cultural Mediated Model Analysis of Parent Responsiveness, Child Social Competence, and Child Emergent Literacy. Professor Barbara Wasik.

Nazire Ozkan, *Economics,* Government Budget Predictions with Mixed Frequency Analysis. Professor Eric Ghysels.

Didem Pekkurnaz, *Economics,* Dynamic Analysis of Maternal Employment, Child Care, Quality and Early Childhood Development. Professor David Guilkey.

Carmen Perez-Munoz, *Romance Languages and Literatures,* Leer la Nación: Pedagogía Fundacional en Colombia (1870–1898). Professor Juan Carlos Gonzalez Espitia.

Andrew Perkowski, *Chemistry,* Direct, Catalytic, Intermolecular Anti-Markovnikov Hydroacetoxylations of Alkenes Enabled via Photoredox Catalysis, and Investigations into the Mechanism of the Polymerization of 4-Methoxystyrene Initiated by Pyrylium Salts. Professors David Nicewicz and Erik Alexanian.

Sarah Peterson, *Romance Languages and Literatures,* Geographies of Everyday Urban Life: French Literary and Cinematic Experiments in the Contemporary City. Professor Hassan Melehy.

Kashif J. Powell, *Communication Studies,* Specters and Spooks: Developing a Hauntology of the Black Body. Professor Renee Alexander-Craft.

Bo Qin, *Nutrition,* Diet, Vascular Risk Factors and Cognitive Decline in Chinese Older Adults. Professor Michelle Mendez.

Zhimin Ren, *Computer Science,* Real-Time Physically Based Sound Synthesis and Application in Multimodal Interaction. Professor Ming Lin.

Joseph John Patrick Roberts, *Chemistry,* The Electrochemistry of Surface Modified <10 nM Metal Oxide Nanoparticles. Professors Royce Murray and James Jorgenson.

Luke Roode, *Pharmaceutical Sciences,* Sub-Tumor Distribution of PRINT Nanoparticles and Its Application for Nucleic Acid Delivery. Professors Ian Davis and Joseph DeSimone.

Molly Sears Rosenberg, *Epidemiology,* The Influence of School Enrollment and Alcohol Outlets on Sexual Risk among Rural South African Young Women. Professor Audrey Pettifor.

Lorrie Schmid, *Education,* Processes of Peer Selection and Influence in Adolescents' Academic Achievement. Professor Jill Hamm.

Sunyoung Shin, *Statistics and Operations Research,* Contributions to Penalized Estimation. Professors Jason Fine and Yufeng Liu.

Sooyeon Sim, *Materials Science,* Electron Paramagnetic Resonance Studies of Polymer Chain Dynamics in Solution. Professor Malcolm D. E. Forbes.

Sean G. Skwerer, *Statistics and Operations Research,* Tree-Oriented Data Analysis. Professors J. S. Marron and Scott Provan.

Josh Smicker, *Communication Studies,* Off-Base: Rethinking New Media Technologies and Military Everydayness. Professor Lawrence Grossberg.

Gina Song, *Pharmaceutical Sciences,* Immune Mechanisms Regulating Pharmacokinetics and Pharmacodynamics of Pegylated Liposomal Anticancer Agents. Professor William Zamboni.

Nicholas A Spidale, *Microbiology and Immunology,* Factors Regulating Thymic Dendritic Cell Homeostasis and Function. Professor Roland Tisch.

Jeran Stratford, *Pharmacology,* Aberrant Gene Expression: Diagnostic Markers and Therapeutic Targets for Pancreatic Cancer. Professors Jen Jen Yeh and Channing Der.

Qiang Sun, *Biostatistics,* On High Dimensional Sparse Regression and Its Inference. Professors Hongtu Zhu and Joseph Ibrahim.

Shauna Marie Swanson, *Microbiology and Immunology,* Mechanisms of Antibiotic Resistance in Neisseria Gonorrhoeae and the Development of LpxC Inhibitors as Novel Therapeutics. Professor Robert Nicholas.

Zhengzheng Tang, *Biostatistics,* Association Analysis of Rare Variants in Sequencing Studies. Professor Danyu Lin.

Nicholas A. Taylor, *Microbiology and Immunology,* Balancing Pro- and Anti-Inflammatory Signals for Effective Immunotherapy in the Post-Hematopoietic Stem Cell Transplant and Solid Tumor Settings. Professor Jonathan Serody.

Autumn Thoyre, *Geography,* The Production of Consuming Less: Energy Efficiency, Climate Change and Light Bulbs in North Carolina. Professor Martin Doyle.

Laura Ann Tollini, *Genetics and Molecular Biology,* Exploring the In Vivo Role of the Mdm2 Ring Finger Domain in p53 Regulation. Professor Yanping Zhang.

Christine Marie Tucker, *Maternal and Child Health,* Preterm Birth Prediction and Receipt of Postpartum Contraception among Participants of North Carolina's Pregnancy Medical Home Program. Professor Carolyn Halpern.

Katherine Tumlinson, *Epidemiology,* Measuring the Quality of Family Planning Service Delivery in Urban Kenya. Professor Brian Pence.

Riha Vaidya, *Economics,* Demand for Health: An Empirical Model of Health Production in China. Professor David Guilkey.

Sai Phanindra Venkatapurapu, *Bioinformatics and Computational Biology,* A Novel Role for the RGS Protein SST2 in Yeast Signaling Revealed by Mathematical Modeling and Live Cell Imaging. Professor Timothy Elston.

Audrey Rose Verde, *Neurobiology,* Structural Abnormalities within the Episodic Prospection and Decision Making Circuitry in Cigarette Smokers: A DTI and sMRI Analysis. Professors Charlotte Boettiger and Martin Styner.

Zackary Vernon, *English,* Haunted by Waters: The Hydropolitics of American Literature and Film, 1960–1980. Professor Fred Hobson.

Tasanee Walsh, *Social Work,* The Conceptualization of Depression and Acculturative Stress among Latino Immigrants: A Comparison of Scores from Non-Hispanic Whites and Persons of Mexican Origin on the Center for Epidemiologic Studies Depression Scale — Revised (CESD-R). Professor Kathleen Rounds.

Gang Wang, *Business Administration,* Strategic Operational Decisions in a Supply Chain with Demand and Recall Risks. Professors Lauren Xiaoyuan Lu and Jayashankar Swaminathan.

Kristina Charles Webber, *Social Work,* School Engagement of Rural Early Adolescents: Examining the Role of Academic Relevance and Optimism across Racial/Ethnic Groups. Professor Natasha Bowen.

Kate M. Wegmann, *Social Work,* A Mixed-Methods Exploration of Stereotype Threat in Middle Childhood. Professor Natasha Bowen.

Darmood Wei, *Toxicology,* Elucidating SNF5 Regulated Gene Expression in Malignant Rhabdoid Tumor Development. Professor Bernard Weissman.

Kate Lynn White, *Pharmacology,* Identification of Biased Kappa Opioid Receptor Ligands for In Vivo Probing of Specific Signal Transduction Pathways. Professors Bryan Roth and T. Kendall Harden.

Jennifer Jane Winston, *Geography,* Hypospadias and Prenatal Exposure to Atrazine via Drinking Water: A Geographic Analysis. Professor Michael Emch.

Clinton James Wutzke, *Human Movement Science,* Influence of Lower Extremity Sensory Function on Threshold of Inter-Limb Gait Asymmetry Perception in People PostStroke. Professor Michael Lewek.

Hong Sik Yoo, *Environmental Sciences and Engineering,* Effects of Inter-Strain Differences in the Metabolism of Trichloroethylene on Liver and Kidney Toxicity. Professor Ivan Rusyn.

Chong Zhang, *Statistics and Operations Research,* Flexible Classification Techniques with Biomedical Applications. Professor Yufeng Liu.

Yinqian Zhang, *Computer Science,* Cache-Based Side-Channel Attacks in Multi-Tenant Public Clouds and Their Countermeasures. Professor Michael Reiter.

Wei Zhao, *Bioinformatics and Computational Biology,* Molecular Characterization and Clinical Implementation of Breast Cancer Genomics using Massive Parallel Sequencing and Microarray. Professor Charles Perou.

Shengjun Zhu, *Geography,* 'Go Up,' 'Go West' and 'Go Out': Changing Industrial Policy and Firm Strategies in China's Apparel Industry. Professor John Pickles.

DOCTOR OF PUBLIC HEALTH

Tia Simmons, *Health Policy and Management,* An Exploratory Study of mHEALTH Technology Acceptance for Type 2 Diabetes Self-Management among Adults in Later Life. Professor Sandra Greene.

Kelley D. Wekheye, *Biostatistics,* Statistical Methods for Repeated Measures in Experimental Gingivitis with Adjustment for Left Truncation Due to Lower Detection Limits. Professor John Preisser.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Cassandra Lytle Mangum, *Educational Leadership,* Inspiring Others to Lead: Making the Impossible Possible. Professor Catherine Marshall.

Kebbler M. Williams, *Educational Leadership,* Elementary Principals' and Assistant Principals' Perceptions of Culturally Responsive Teaching Practices in North Carolina. Professor Fenwick English.

POSTBACCALAUREATE PROFESSIONAL DEGREES, GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

August 2014

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

DOCTOR OF DENTAL SURGERY
Carolina Vera Resendiz

The School of Law
ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR
Matthew Thomas Stigall

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Eric W. Hopkins
Jaini Kim

The Graduate School
ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Classics
Bailey Kristen Benson

Education
Keyma Clark
Kubra Karakaya
Xueyan Yang
Shizhan Yuan

Exercise and Sport Science
Allison Jill Bass
Sarah Elizabeth Bell
Carly Louise Dressler
Lauren Elizabeth Hawkinson
Pamela Brook Hughes
Isaac Zebadiah Lee
Byron L. Sanders
Ross Adam Schwarzber
Robert House Stewart

Folklore
Rachel Charlotte Mabe
Laura Elizabeth Pearce

Geography
Katherine Eberlie Akin

History
Allison Somogyi
Mary Elizabeth Walters

Linguistics
Megan Kathryn Gotowski
Anna Elizabeth Powers
Alvaro Hugo Salgado
Jessica Grace Slavic
Kayla Anne Vix
Chunmeng Wang

Mass Communication
Jacqueline Yvonne Borrett
Sarah Elizabeth
Davidson-Palmer
Xiaokun Qian
Gaily Ligaiya Raymundo Romero

Musicology
Stephen Andrew Stacks

Philosophy
Sylvia S. Kocieda

Political Science
Kiran Rose Auerbach
Menevis Cilizoglu
Eric Robert Hansen
Beatriz Policicio Rey
Andrew Harold Tyner
Neil Isaac Weinberg

Psychology
Margaret Teresa Anton
Stephanie Tara Lane

Religious Studies
Brian Allen Coussens

Russian and East European Studies
Adnan Dzumhur
Rosavera Kneller

Slavic Languages and Literatures
Ekaterina Turta

Sociology
Jamie Lee O'Connor
Rachel Ramsay

Technology and Communication
Rebekah Carolyn Radisch

MASTER OF CITY AND REGIONAL PLANNING
Tara Lynn Bott
Roger Ekstrom
William Thomas High

MASTER OF FINE ARTS
Adrienne Marie Corral
Kelly Renko
Connie Frances Zamorano

MASTER OF SCIENCE

Biochemistry and Biophysics
Doan Minh On
Arpit Tandon

Biostatistics
Samuel Shuoyuan Pan

Chemistry
Adam Curtis Alman
Maria Anna Marta Lindell

Computer Science
Syed Mubarak Hassan Ahmed
Sridutt Bhalachandra
Istvan Csapo
Nathan Michael Dierk
Zhi Dong
Samuel Musser Gass
Isa Kemal Pakatci
Hina Rajiv Shah
Priyadarshi Sharma
Meng Tan

Economics
Keith McKenzie Johnson

Endodontics
Hsin Chen

Environmental Sciences and Engineering
Annalise Gomersall Blum
Molly Murchison
Will Robinson Stanley

Geological Sciences
Kevin Thomas Quinlan

Genetics and Molecular Biology
Rebecca Lynn Whittlesey

Marine Sciences
Avery Katherine Bullock
Zena Maria Cardman
Sara Elizabeth Coleman

Mathematics
Cole Eugene Arendt

Management
Junhee Kim

Occupational Therapy
Erin Alice Abernethy
Shannon Kelley Carey
Rachel Jean Carrier
Julia Deegan
Adam Ross DePrimo
Pamela Chantal Schaette Fowler
Sara Harris Hammond
Elizabeth Catherine Hart
Lara Elizabeth Jones
Sade' Jones
Jodi Elizabeth Malone
Logan Robert Mathews
Brittney Tara McBride
Hanna C. Morse
Samantha Dale Patterson
Marie Alanna Rawlings
Rachel Elizabeth Warren
Marie Teres Zurlo

Oral and Maxillofacial Radiology
Robert Todd Erickson

Operative Dentistry
Silvia Patricia Amaya Pajares

Physics
Matthew Stephen Wolboldt

Rehabilitation Counseling and Psychology
Jennifer Anh Nguyen

Statistics and Operations Research
Alp Muzaffer Arslan
Katherine E. Lamm
Jin Li
Hao Luo

Toxicology
Jose Daniel Rojas

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF BUSINESS ADMINISTRATION
Raghuram Addepalli
Ananth S. Avva
Justin Ryan Bizzarro
Amie A. Bonner
Zachary C. Bramlage
Amanda Buono
Brett M. Buresh
Zachary P. Carr
Omar Castillo
Guilherme Koche Ce
Ian David Chakeres
Elizabeth Lindsay Chason
Paul E. Chin
Morgan F. Correll
Jeanette Ursula Cortez
Thomas Archer Ravenel Covington
Marcia Rick Dawood
Chunsen Diao
Darryl Joseph Dias
Michael Diederich
Brian Russell Dubay
Sharif El-Mahdi
Cori V. Enghusen
Benjamin R. Estell
Brad A. Farley
David Fierro
Christopher M. Fleischman
Sarang Ajit Gadre
Summer J. Green
Chaorong Guo
Teddy Handoko
David K. Hazlehurst
Kelli C. Heinzerling
Harland Asa Hendricks
Jennifer C. Henry
Aaron Michael Higley
Adam C. Kaeli
Emily Kenyon
Brandon Russell Kirby
Bradley K. Kistler
Alex Kroll
Alexandra Krupnik
Shang Kuang
Lauren Cecily Leiman
Bin Li
Avaneesh Sharad Limaye
Huaxing Liu
Tiejun Liu
Xunshu Liu
Zhongren Liu
Carl Lee Lowder Jr.
Sarah M. Marin
Scott Alvin Martin
Brian Charles McCarthy
Michael N. Meehan
Lauren Rebecca Modafferi
Grant Ellery Moller
Daniel S. Montgomery
Mark Muchmore
William Patton Murray
Srinivas Nanduru
Yanhong Niu
Yong Pan
Zhigang Pang
Jianliang Peng
Isaac A. Philips
Phillip J. Pitsky
Venkata Sasi Kumar Potukuchi
John T. Radovan
Dong Ren
Jeffrey Rhodes
Jeffrey W. Robicheau
Mary Ryan
Emily C. Sandvig
Michael T. Schmidt
Kristy N. Schwee
Brett Daniel Scodova
Grace Wanjiku Senat
Jacob E. Shokes
Basant Kumar Singh
Michael Elliott Smith
Todd M. H. Stacy
Nicholas T. Stannard
Craig Edward Sullivan
Pradeep Sundar
James Tong
Nicole Danielle Tuccillo-Wachs
Michael S. Underwood
Larry Don Unferth
John Robert Upton Jr.
Gary S. Velasquez
Nicholas Carter Weidenmiller
Haijun Xu
Ning Zhai
Haijun Zhang
Ruining Zhang
Yu Zhang
Xiaomei Zheng

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

MASTER OF ARTS IN TEACHING
Jennifer R. Earnest
Maria Elizabeth Evans
Mary Kathryn Farmer
Meleah Kathryn Faucette
Kelsey Elyn Foster
Rebecca Frances Gandy
Carli Anne Marie Gesiotto
Fiona Mary Rood Gillespie
Casey Elizabeth Holmes
Katherine Ann Majeski
James Lee Malloy
Katherine Elizabeth Penley
Aaron Christopher Raynor
Kathryn Chelsea Reardon
Rachel Christine Rowe
Amelia Dianne Smith
Rachal Alexandra Staring
Stephanie Leigh Straubel
Kathryn Amy Tennison
Sarah M. Wagdy
Leslie Hillman Welsh
Carly Marie West
Mary Elizabeth White

MASTER OF EDUCATION
Samantha Rey Arzon
Jessica Hall Benninger
Jessica Marie Cockroft
Sarah Ellen Davis
Linwaun Jamar Fulton
Erin Nicole Haley
Katherine Emily Henderson
Elise Darling Kechele
Aphrothiti Constantine Kostopanagiotis
Leslie Anne Locklear
Dezireé Diane Martin
Devon McCarthy
Jeannine Burch O'Brian
Marion Smith Oliver
Alexandria Rose Perrotta
Pamela Lea Postage
Anne Louise Ruoff
Archana Sabesan
Allison Fay Saviello
Amy Lynn Schreiber
Stephanie Sherer
Graham Stuart Smith
Ye Jin Song
Kyle Martin Taperek

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Erin Louise Carter
Brittany Michelle Hayes
Madeeha Khan
Adrian Tyler Ogletree
Joshua Galen Rice
Maria Claudia Terrien

MASTER OF SCIENCE IN LIBRARY SCIENCE
Virginia L. Ferris
Joseph Tyler Gilmore
Jennie Rose Halperin
Kathleen Elizabeth Hill

Jody Seim Timmins
Haley Marie Walton
Zachery Patrick Whitaker

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY

Jason P. Albright
Daniel H. Blackmon
Leigh Rolandelli Brogdon
Jessica L. Burpee
Tomislav M. Cotic
Lauren A. Diamond
Jaime L. Emel
Cathryn E. Ghena
Meredith Ellis Haigh
Catherine Leigh Jacobs
Deborah M. Kenner
Beverly Elizabeth Knight
Stephanie L. Lawson
Austin M. Leedy
Noelle Elizabeth Martin
Kenneth C. Ngwu
Abigail Jane Osborn
Audrey Celeste Osinski
Casey Poff
Meredith T. Reed
Jessica Lynn Rolle
Morven Ann Ross
Allison Marie Rowe
Ryan Christopher Rubio
Gabrielle Scronce
Tracy S. Taylor
Susan E. Williams

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

MASTER OF PUBLIC HEALTH

Marshall Alexander Ahearn
Ali Abdullahi Annaim
Angela Marie Bacigalupo
Sarah Matthews Brittingham
David Christopher Caretto
Henry Doyle Colangelo
Mariatu Ashake Cole
Laura Shelton Cone
Maria Catalina Cuervo
Nancy Helen DeMaria
Anna Laura Dill
Milap Kamlesh Dubal
Daniel Jonathan Dunlap
Jane Reeves Ellis
Kristine Marie Falk
Jennifer Fernandez
Sarah Marie Frederick
Daniel Joshua Green
Heather M. Helm
Johann H. Hsu
Christopher Jaeyon Hwang
Jessica E. Isom
Kevin David Kennedy
Amber Bradlyn Kernodle
Stephanie Brooke Kiser
Susan Klodnicki
Stephen Pifer Krumland
Yemeng Lu-Myers
Brook K. McCall
Kathryn Margaret McKenney
Ashley Meagher
Isaac Robert Navarro
Amee Dushyant Patel
Brittany Christine Pierce
Cleveland Alcides Piggott
Vishal Narasinga Rao
Anna Louise Rodenbough
Banalata Sen
Sarah Gregory Smiley
Zachary Peter Spiritos
Daniel Thomas Steeber
Jacob Newton Stein
Joshua Allan Thompson
Saundra L. Trouslot
Nicholas Elias Tsipis
Anna Tyson
Rachel Elizabeth Weiner
Stephanie Manning Wolfe
Fan Ye

MASTER OF SCIENCE IN CLINICAL RESEARCH

Antoinette A. Danvers

MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCES AND ENGINEERING

Yuzhi Chen
Taylor Alicia Edmonds

MASTER OF SCIENCE IN PUBLIC HEALTH

Katherine Marie Callahan
Paul G. James
Xinxin Li
Melchior Kashamuka Mwandagalirwa

The School of Social Work

ESTABLISHED 1920
Dean Jack M. Richman

MASTER OF SOCIAL WORK

Justin Robert Allen
Whitney Sewell

BACCALAUREATE DEGREES

August 2014

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African and Afro-American Studies
Fernanda Marcell Brown
Brandon Antoine Burney
Marvin Gaye Williams

American Studies
Sophie Marie Baer
Rae Anderson Hoyle*
Madeline Clair Miller*

Anthropology
Sophia Chen
Orlando Mendoza
Jessica Briana Peacock
Johnathan Michael Potts
Jill Ann Raney

Archaeology
Lyle Michele Bass
Carolyn Marisa Hobbs
Meghan Carolyn Leary
Karen Joy Sherrier

Art History
Jinjing Zhang

Asian Studies
Drue Alexander Allen
Umar Farooq Chaudhry
Rohit Gadi
Marina Nelson
Sarah Michelle Rawls
Murad Ali Shah
Syeda Zainab Shah

Biology
Drue Alexander Allen
Margaret Katherine Arroyo
Kathryn Lauren Bention
Marlena Lynn Brokob
Daryl Lillian Brown
Garrett Joseph Collins
Joseph Blake Elmes
Marwa Abdelmoneim Elnagheeb
Madison Paige Ganey
Courtney Paige Grigsby
Kandyce S. Heddrick
Daniel Maxcy Huddleston
Riley James Hurst
Stephen Chukwuemeka Ijioma
Emaan Karout
Jessica Leigh Longen
Sam Lucier
Lauren Daniele Mallory
Henry Holleran McIntyre
Brittany Lashaun Means
Rachel James Moser
Navid Nesab
Nina Lynn Nicholson
Ryan Alexander Osterman
Regina Pierce Patterson
Robert Duncan Perry
Kenny Ann Mitchele Pierre
Lauren Nicole Scanlan
Kaelyn Nicole Sexton
Murad Ali Shah
Abel S. Tesfa
Elizabeth Anna Thurman-Irons
Robert Thomas Patton Williams

Chemistry
Douglas Scott Chenier
Laura Michelle Cooper
David John Guarino
Shawn Appiah Kuruganti
Thao Dan Nguyen
Heeeun Park

Classics
Sara Ann Buchholz
Marshall Kelly Winchester+

Communication Studies
Christopher D. Allen*
Jacob Russell Beatley
Alana C. Bethea
Robert James Blanton
Sara Ann Buchholz
Thomas Trenton Bullard
Rebecca Anne Burnett
Justin Thomas Carcamo
Edward Bryant Clements Jr.*
Austyn Nicole Creighton
Caroline Elizabeth Donnell
Rachel Elizabeth Garner
Kathryn Kendall Gerdon
Martha Jane Glenn*
Brittany Natasha Hendricks
Joshua Ryan Horton
Jordan Louis Jaffe Imbrey*
Melody Ip
Angela Jia
Jialin Jia*
Kelsey Paige Jones
Raven N. Jones
Sarah Sun Kim
Tessa Lyons
Victoria Elizabeth Male**
Chelsea Elizabeth Markovich
Elizabeth Mendoza
Dylan Nicholas Moore
Charise Teylor Nelson
Paul Joseph Paschal
Jenina A. Rivera
Tierra La'She Ruffin-Pratt
Erica Elise Sabol*
Lauren Virginia Salvia**
Wesley Shang
Crystal Nicole Smith
Paige Elizabeth Thompson
Raleigh Benjamin Thompson
Peter Vance
Thomas J. Walsh
Carmen Beatrice Cornelia Wood
Brooklyn Roxanne Young

Comparative Literature
Bronwen Harrell Clark**
Jae Won Kang

Computer Science
Andrew Andrea
Maurice Keith Carrier Jr.
Jang Hee I
Ian Eric Percy
Robert Mitchell Stokes II

Dramatic Art
Victoria Elizabeth Male**
Haley Alyssa Stamey
Allen Austin Tedder*
Peter Vance
Elena Sarah Versényi

Economics
William Lee Adams III
Richard Swanton Black Jr.
Daniel Page Blevins
Timothy Corey Bowman
Charlotte L. Brown
Rebecca Anne Burnett
Brooke Jaqueline Butler
Zishu Chen
Douglas Scott Chenier
Seung Hwi Choi
Frances Elizabeth Ellis
Megan Catherine Feeney
Alexandra Grey Francis
Shake Surenovna Galstyan
Seve M. Gaskin
Behnam Hosseini
James Payer Howell III
Curtis W. Hukins
Owen Alexander Hunt
Adam Richard Kiihr
David R. Larkin-Thorsen
Jae Sung Lee
Anqi Li
Clayton Sayre Lineberger
Mingxi Liu
Kristopher Lee London
Meira Jaffa Lubkin
Christopher Joseph Maggiore*
Steven M. Magnuson
Matthew A. Mears
Zachary Robert Munz
James Chigungu Mwombela
Gia-Binh Thi Binnie Nguyen
Nathan Fondren Olsen
Trevor Ross Overman

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Matthew Patrick Rose
Hannah L. Samuelson*
Oleksiy Silivra
John Evans Stringfield
Kevin Michael Swift*
Candace M. Thomas
Samuel Best Thomas
Kwan Ho Tsai
Michael Ryan Tuck
Thomas J. Walsh
Anqi Wang
Jack F. Williams
Andrew Cameron Wilson
Jingsi Zu

English
Ifeoluwa O. Ajao
Layne Wallis Brodie
Mary Hannah Currin
Rachel Elizabeth Garner
Christian Darwin Heath
Dawn Priscilla McCray Holland
Kari M. Johnson
Kelsey Leigh Linker
Jamie Charles McGarty
Sarah Caitlin Moseley*+
Jenina A. Rivera
Arielle Maude Toulgoat Dubois
John Wesley Troxler III
Catherine A. Wiener

Environmental Studies
Katelyn Paige Blanchard
Daniel Maxcy Huddleston
Kyle T. Puff
Courtney Belle Sanford*

Exercise and Sport Science
Mohamed Azhari Abushouk
Charles Henry Arundale Jr.
Kelli Nicole Avalos
Sophie Marie Baer
Justin Baugher
Corey Lane Bobeck
Levi Hampton Curles
Brittany Elizabeth Driscoll
Michelle Christine Fadool
Ruth Duvall Fuqua
Alexander James Gianino
Jordan Olivia Gomez
Keenan Donald Harrell
Melanie Patricia Johnston
Danielle B. Jones
Raven N. Jones
Gabrielle Junqueira
Steven Tyler Layko
William Todd Mayer
Orin C. Metts
Rebecca Kate Mitchell
Tevin DaJuan Neal
Alec Robert Petrocelli
Spencer Allen Phillips
Christian Jarrett Pulliam
Harsh C. Shah
Kendall Prescott Smith
Lane Robert Snipes
Gregory Bryant Strader
Kathron Taylor Thomas

Geological Sciences
Lauren Muriel Evans

Geography
Kenan Ender
Roderick A. Flannery
Grace Ellen Ide
Yiyang Li
Michael J. Narup
Zachary Jordan Pope
Nathaniel Charles Schramel
Eric Britt Stone

Germanic and Slavic Languages and Literatures
Catherine Elaine Linh Diller*

Global Studies
Bradford Tucker Connett
Rachelle L'Janai Cook
Michelle Shalini Corea*
Catherine Elaine Linh Diller*
Kenan Ender
Philip Todd Hoover
Agezi Chinwe Igboko
Tristine Alexis Johnson
Kathryn Eun Jin Jung
Sasha Khali McNair
Katharine Helena Liisa Oopik
Kushal Sandip Patel
Johnathan Michael Potts
Christian Robert Rodriguez
Josselline Salguero*
Zawadi W. Wainaina
Jonathan C. White*

History
Kyle M. Baker
Richard Swanton Black Jr.
Kathryn Rose Brody
Christina Cierra Jade Brown Hinton
Bryce Caiazzo
Christopher Wayne Caudle
Sean Dillon Cheatle*
Ellen Anna Curcio
Valerie Marie Diaz
Kelli Maria Gibson
Isaac Hall Manning Jr.
Edwin Hugh Martin III
ShaVonte' Marie Mills*
Andrew J. Moore
Jessica Briana Peacock
Robert Alan Penny
John Andrew Reese
James Phillip Robinson
Kaitlin Jean Schwab
Whitney Simmons
David DuBose Stewart Jr.
Eric Langley Walston*

Interdisciplinary Studies
Tyler Lohr Forrest

Latin American Studies
Simone Teresa Duval*

Linguistics
Alexandra Kaitlin Drose

Management and Society
Daniel Scott Dickson
Catherine Courtney Fuller
Torian Justin Holt
John Mikels
Patrick Ryan Owens
Brent Samuel Perper
Wuang Qin
Clinton Kevin Smith
Oleksiy Silivra

Mathematics
Austin Dittmer Barber
Lowell T. Barnett
Jiaoyun Fu
David John Guarino
Jang Hee I
José Tomás Labra Escudero
David Michael Licause
Thomas I. Moore
Adison G. Pace
Lindsey Durner Piepmeyer
Ran Wei
Tess Micaela Januszewski Ytuarte
Laura Yiling Zhou*
Wenxiao Zhou
Jingsi Zu

Music
Shina Ozaki

Peace, War and Defense
Johnathon Curtis Baggett
Corey Richard Brennan
Patrick David-Harrison Earhart
Brittany Nicole Faust
Michael Ryan Tuck

Philosophy
Michael David Allan
Daniel Lawrence Doheny
Emma Louise Johnson
Mallory Anne Morris
Nicholas Paul Mortenson
Joseph Nissim Poyastro
Josephine Beatrice Yurcaba

Physics
Andrew Andrea

Political Science
Kathryn Rose Brody
Yin Cen
Celina Bartlett Chapin
Bronwen Harrell Clark**
Eileen Margaret Clemens
Ellen Anna Curcio
Brittany Nicole Faust
Jessica Eve Harris
Carolyn Marisa Hobbs
Owen Alexander Hunt
Adam Richard Kiihr
Brett Thomas King
Jerry Eugene Lovingood
Madison Rose Matusich
Nicholas Ryan McAlister
Mhairi Kristen McLynn
Amanuel Kiflemariam Micael
James Chigungu Mwombela
Joseph D. Parrish
Daniel Thaddeus Perry
Michael R. Picornell
Abed-Alsalam
Christopher Qadura
John Andrew Reese
Michael V. Robinson*
Christian Robert Rodriguez
Christopher Gregory Russell
Lauren Virginia Salvia**
David B. Sessions
Erin Elizabeth Sharkey
Randy Shin
Tayler Brooke Smith
Alex Curtis Stephenson
Adrian Memet Ertug Walker
Emily Cummings Whitson*
Angela Renea Williams

Psychology
Channing Latisha Alston
Stephanie Michelle Ames
Marcela Zuleivy Bermudez
Addison Tucker Brenizer
Georgia Ruby Grace Campbell
Euna Victoria Chavis
Ching Yi Cheng**
Samuel Dacen Collins*
Calacia Tiana Douglas
Kelsey Alina Eaker
Michelle Christine Fadool
Jessica Faye Fillhaber**
Andre Sheldon Ford
Seve M. Gaskin
Jacquelynne Elizabeth Genzlinger*
Anne Rhodes Gladstone
Casey Elizabeth Godwin
Stephanie Ann Gomez
Allan Thomas Herendeen
Paige Elizabeth Holmes
Koobmoov Christian Khang
Lauren Kay Klawonn
Sara Elizabeth Kronenfeld
Jared Alexander Law
Jasmine Omelia Lee
Katrina Nicole Lee
Kimberly Grace McAllister
Sasha Khali McNair
Orin C. Metts
Emily Kathleen Pelehach*
Osiris Rankin**
Morgan T. Roese
Armando Aaron Rooks
Lauren Nicole Scanlan
Geneva Danielle Sellers
Syeda Zainab Shah
Harsh C. Shah
Jared M. Shank*
Krysta LeeAmber Sink
Laura Ann Smearman
Lara Brynn Taylor
Kathron Taylor Williams
Luis A. Velarde
Domonisha Lacole Walton
Emily Kay Loftin Warrick
Jonathan Claude Weedon II
London McCall Williams

Public Policy
Cierra Deloris Ferguson
Seve M. Gaskin
Jerry Eugene Lovingood

Religious Studies
Michael David Allan
Grayson Rebecca Barnes
Wyatt Jay Harper
Kari M. Johnson

Romance Languages
Bradford Tucker Connett
Keri Lynell Crews
Andrea Brooke Deel
Alexandra Kaitlin Drose
Madeline Fay Sperling*
Kevin Michael Swift*

Sociology
Shani Corina Davis
Jeremy Chung-Shin Dussek
Stephanie Ann Gomez
Torian Justin Holt
Grace Ellen Ide
La'Mon Derrian Johnson
Deondre J. Lester
Shadiecsa Renae Mason
Emily Kathleen Pelehach*
Asia Allante Perry
Joseph Nissim Poyastro
Melinda Helen Roth
David B. Sessions

Studio Art
Jesse Darrell Coleman
Martha Jane Glenn*
Morgan T. Roese

Women's and Gender Studies
Margaret Erin Adams
Kelsey Alina Eaker
Ashley Marie Ellis

BACHELOR OF FINE ARTS
Andrew David Champion
Hillary Elise Jaap
Kimberley Lynn Karr
Berkeley Elizabeth Tate

BACHELOR OF MUSIC
Gregory Bryant Strader

BACHELOR OF SCIENCE

Applied Science
Chase H. DuBois
William Robert Chalice James
Yoo-Sik Shim

Biology
Princess B. Avery
Malia Gisele Cali**
Kerry Elizabeth Cheek*+
Sophia Chen
Jaemyong Choi
Ashley Laura Delgado
Rohit Gadi
Gavin Douglas Hensley
Seth Kristofar Kosem
Hanna Emily Labiner*++
Steven Tyler Layko
Jae Sung Lee
Tina Li
Matthew Robert McCullen
Kyle Montgomery
Katie Sinclair Myrick
Shina Ozaki
Jun Zhu Pei
Rebecca Lee Porter
Sarah Elisabeth Pruteanu-Malinici*
Kari Ann Solmaz

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Jacob Louis Stark
Brian Le Ta*
Chau Minh Vu

Chemistry
Daniel Lawrence Doheny

Computer Science
Aaron M. Davis
Sahar Kazemzadeh*++
Hannah Rae Kerner+
José Tomás Labra Escudero
Ronit Nuguru
Hanna Elisabeth Palmerton
Wuang Qin
Isaac James Sears Sr.
Nehemiah Thaveethu
Charles Michael Timmons
Justin Alexander Aryan Trasti
Alexey A. Vasilyev

Environmental Sciences
Christina Michelle Bergemann
Charlotte L. Brown
Wilton Gray Burns
Wyatt Jay Harper
Alanna Grace Marron
Elizabeth Anna Thurman-Irons
Andrew Cameron Wilson
Lillian Wu

Geological Sciences
Scott Andrew Brinkley
Stephen C. Challener+
Christopher Cornette
Audrey G. Horne*+
Michael J. Narup
William Blalock Strayhorn

Mathematical Decision Sciences
Yin Cen
Shake Surenovna Galstyan
Anqi Li
Wuang Qin
Anqi Wang
Ran Wei+
Wenxiao Zhou

Mathematical Sciences
Edward Osborne Goode

Mathematics
Michelle Shalini Corea*
Soohwan Lee**
Catherine A. Wiener

Psychology
Robert G. Anderson
Grayson Rebecca Barnes
Corey Richard Brennan
Elizabeth Lynn Campbell
Austyn Nicole Creighton
Andrea Brooke Deel
Ashley Laura Delgado
Madison Paige Ganey
Ngozichukwuka
Gogo Ikeakanam
Adriana Iturbide Rodriguez
Melanie Patricia Johnston
Hyun Kim
Christopher Joseph Maggiore*
Renee Christine Montpetit
Keely M. Mullally*
Anders Gustaf Orn
Robert Duncan Perry
Sarah Elisabeth Pruteanu-Malinici*
Hannah L. Samuelson*
Eugene A. Shenderov
Randy Shin
Christina Sumer
Charles Matthew Summerlin
Samuel Best Thomas

The Kenan-Flagler Business School
ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Jeffrey Bradford Bolster
James Chancellor Delany
Zachary Joseph Fitzpatrick*
Dawn Michelle Wages

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Johnny L. Chapman
Rebecca Guard Davis
Iris Suk Mason

The School of Education
ESTABLISHED 1885
Dean G. Williamson McDiarmid

BACHELOR OF ARTS IN EDUCATION
Anne Louise Lucas
Cierra Iman Perry

The School of Information and Library Science
ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Howard Andrew Cowan
Silvana Vivienne Goberdhan-Vigle
Keith Alan Morris*

The School of Journalism and Mass Communication
ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION
Holly Amber Bouldin**
James M. Ceruzzi
Tricia Anne Cleppe
Mary Hannah Currin
Charles Dobbin
Simone Teresa Duval*
Andrew H. Edwards
Megan Hahn
Brittany Natasha Hendricks
Craven Chandler Inions
Elizabeth Mendoza
Jessica Grace Milbern
Renee Christine Montpetit
Hannah Elizabeth Peterson
Amanda Rodrigues Smith
Andrew Jacob Rosen
Erica Elise Sabol*
Azmeena Gulhussain Salehani
Emily Cummings Whitson*
Josephine Beatrice Yurcaba

The School of Nursing
ESTABLISHED 1950
Dean Kristen M. Swanson

BACHELOR OF SCIENCE IN NURSING
Caroline Marie Kraft**
Amy Ezzell Massengale
Frances Irene Schettino

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE
Jenna Michelle Stainback

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALT H
Jillian Danielle Griffith
Courtney Belle Sanford*
Andrew Ethan Yosim
Laura Yiling Zhou*+

Graduates Commissioned in the Armed Forces
AUGUST 2014

UNITED STATES ARMY SECOND LIEUTENANT
Isaac Sears

UNITED STATES NAVAL ENSIGN
Thomas Isaac Moore

CERTIFICATES

August 2014

Postbaccalaureate Certificates

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Earlene Sabrina Berry Jones
Stephanie Irene Burres
Mwanza Kasambay
Melanie Morrison

CERTIFICATE IN FIELD EPIDEMIOLOGY
Mark Windschitl

CERTIFICATE IN GLOBAL HEALTH
Barbara Ann Moore Smith

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Jenny Cobb Adams
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Angelyn (Angie) S. Bitting
Bruce Cairns
Shelby Dawkins-Law
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
Deborah L. Hawkins
Donna Koppinger
Leslie S. Lerea
Karen Moon
Mark Moon
Laura Hayes Morgan
Andrew Powell
Valerie A. Price
Sasha Seymore
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Charles Streeter
Kyle Villemain
Stacey Harris Warner
Alexis White

Credits

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

2015
COMMENCEMENT

Sunday, May Tenth • Two Thousand Fifteen

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina, and nothing could be finer than to celebrate your commencement today.

Family members and friends, you have provided support and encouragement over the years. On behalf of Carolina faculty and staff, thank you for sharing your student with us, and congratulations as you also make a life transition.

Students, today we celebrate your success. But even more, we celebrate your future. Countless Carolina graduates who have stood in your shoes have used their opportunities and the privileges given them not to settle for the status quo, but to push for advances across the spectrum of human endeavor. We celebrate your success and stand ready to support your future.

Even though your next steps may take you away from Chapel Hill, here you have developed the intellectual skills and the personal connections that will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

Carolina pledges back to you, our newly minted alumni, to continue to make Chapel Hill a place of pride and promise — fresh, forward and always for the people.

Congratulations!

Carol L. Folt

CAROL L. FOLT

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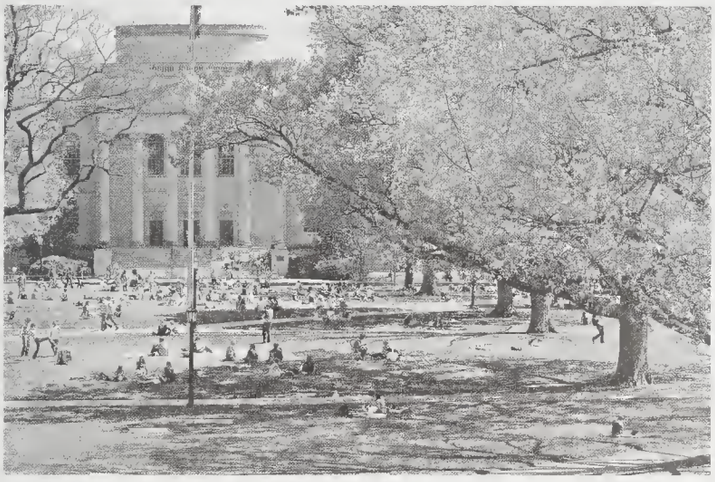
- School Awards
- Departmental Awards
- Athletic Awards

inside back cover Commencement Committee

ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.



HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services building from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Valerie Ashby, *Professor and Chair, Department of Chemistry* Class of 2016 Officers Representatives of the Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health The Candidates for Master's and Professional Degrees The Candidates for Baccalaureate Degrees Fiftieth Reunion Participants The Official Party
	STUDENT MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
Presentation of the Colors	Members of the Air Force Reserve Officers Training Corps, *The University of North Carolina at Chapel Hill*
National Anthem	Kayla Hill, *Kenan Music Scholar, Bachelor of Music*
Recognition of the Platform Party	Carol L. Folt, *Chancellor*
Welcome Remarks	For the University of North Carolina Thomas W. Ross, *President*
	For the Board of Governors of the University of North Carolina Edwin McMahan
	Presentation of the UNC Board of Governors' Award for Excellence in Teaching— Terry Sullivan, *Associate Professor, Department of Political Science*
	For the Board of Trustees of the University of North Carolina at Chapel Hill W. Lowry Caudill, *Chair*
	For the General Alumni Association Vaughn Bryson, *Chair of the Board of Directors*
Readings of Citations for Honorary Degrees	Joseph S. Ferrell, *Secretary of the Faculty*
Commencement Address	Jason Kilar, *Class of 1993, Media and Entertainment Innovator, Co-Founder and CEO of Vessel, Founding CEO of Hulu*
Introduction of the Deans and Conferring of Degrees	Carol L. Folt, *Chancellor*
Ceremonial Recognition of the Graduates	Sasha Seymore, *President of the Class of 2015* Alexis White, *Vice President of the Class of 2015*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Carolina In My Mind	The Clef Hangers
Hark the Sound	Harmonyx
Recessional	

Graduates and guests are invited to the University reception following Commencement. The reception will be on Polk Place, the quadrangle north of Wilson Library.

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?" In her first year as chancellor, Folt — an internationally recognized environment scientist, award-winning teacher and accomplished administrator — has worked to fulfill that charge by preserving and expanding Carolina's academic excellence and innovation, access and affordability, and deep commitment to the state.

Under her leadership, the University received 31,000 applications for the Class of 2018 — breaking the previous year's record for the ninth consecutive time. Faculty ranked seventh nationally and first in the South for 2013 research grants awarded by the National Institutes of Health. New investments have made Carolina's science, technology, engineering and math curriculum one of the top in the country. And the University's commitment to its public service mission has never been stronger, as illustrated by the School of Government's work supporting local governments and communities, and by expanding programs like the Carolina College Advising Corps, which provides college advising for the state's high-school students.

Folt has met with hundreds of students, faculty, staff, alumni and supporters, championing the importance of the University's research mission for North Carolina's economy. She has also focused on improving undergraduate graduation rates — particularly low-income, first-generation and underrepresented students — and on comprehensively addressing past academic and athletic irregularities.

Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt has represented the University in the national dialogue about higher education, joining other leaders at White House meetings on topics as diverse as preserving accessibility to an affordable college degree and protecting students from sexual assault.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013, Dartmouth Professor of Biological Sciences, and a faculty member and administrator for 30 years.

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

Her research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

Officers of the Class of 2015

Aleksander Huryn Seymore, *President*
Alexis Danielle White, *Vice President*
Dillon Riddle Vess, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Officers of the Class of 2016

Ying Lin, *President*
Harold Brent McKnight Jr., *Vice President*
Jacob Allen Baldwin, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Marshals of the Class of 2015

Victor Ayodele Abiona
Vincent Ayodeji Abiona
Addison Duke Baker
Connor Moss Belson
Kendra Lee Benner
Aubree Broadwater
Kaylah Elizabeth Brown
Jordan Jeneva Budget
Meghan Elizabeth Cabell
Emily Rose Cerciello
Ashleigh Breanne Curry
Nia Joi Davis
Mary Elizabeth Entwistle
Julia Elaine Filler
Leslie Alexandra Finch
Catherine Olivia Frere
Roderick Amal Gladney
Rene Gupta
Yasamin Haghshenas
Katrina Louise Hauprich
Claire Catherine Herzog
Brittany Monique Hollis
Erica Vimala Kakarlamudi
Jamison Nicole Kies
Savannah Mae Lagaly
Jordan Thomas Larson
Fanny Jasbeidy Laufters
Emily Elizabeth Mann
Christopher Alan Martin
Graham Joseph Martin
Manoj Mirchandani
Camille Elyse Morgan
April Amber Peterson
Katherine Beadles Pope
Kristina Alexis Redd
Justin Andrew Reyes
Erin Maureen Rolandelli
Austin John Root
Jeane' Roshell Rowell
Sarah Devonna Rutherford
Kayla Lucky Slake
Hilda Tajalli
Rachel-Kaylah Marie-Antwanette Tates
Naintara Viswanath
Catherine Hamilton White
Darius Jamal Whitney
Margaret Lynn Zenkel

Marshals of the Class of 2016

Mariah Paige Barksdale
William Dale Bass
Kayla Anne Blevins
Mary Page Boyd
Brandon Russell Chase
Phillip Andrew Cox
Sarah Elizabeth Crownshaw
Hayley Patricia Dane
Alysa Marie Delgado
Robert Wesley Edmiston
Treyaun Quantez Fulton
Laura Raquel Gamo
Lindsay Paige Gorman
Samuel Brooke Henderson
Morgan Lynn Herman
Austin James Jackson
Elizabeth Graham Jones
Syma Iqbal Lakhani
Meshay Long
Caroline Marie Martin
Jeremy Alexander McKellar
Randolph Lee McKinnie
Da'Vianna Chéntal Nelson
Brianna Dawn Norris
Destiny Zapora Planter
Simon Walker Porter
Marrisa Alexandria Rose
Andre Levere Rowe Jr.
Megan Nicole Stanley
Julia Diane Stroup
Rashmitha Vasa
Heting Wang
Conor Addison Winters

Graduate and Professional Student Federation Officers, 2015

Shelby Dawkins-Law, *President*
Brandon Linz, *Vice President for Internal Affairs*
Katie Walker, *Vice President for External Affairs*
Marissa Cann, *Chief of Staff*
Autumn McClellan, *Treasurer*
Kyle Reeves, *Secretary*

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Durham, N.C.

Alston Gardner
VICE CHAIR
Chapel Hill, N.C.

Sallie Shuping-Russell
SECRETARY
Chapel Hill, N.C.

Jefferson W. Brown
Charlotte, N.C.

Phillip L. Clay
Cambridge, Mass.

Haywood D. Cochrane Jr.
Elon, N.C.

Donald Williams Curtis
Raleigh, N.C.

Charles G. Duckett
Winston-Salem, N.C.

Peter T. Grauer
New York, N.Y.

Kelly Matthews Hopkins
Charlotte, N.C.

Steven J. Lerner
Chapel Hill, N.C.

Dwight D. Stone
Greensboro, N.C.

Andrew H. Powell
EX-OFFICIO
Chapel Hill, N.C.

The Commencement Speaker

JASON KILAR

Jason Kilar, UNC Class of 1993, is the co-founder and CEO of Vessel and was previously the founding CEO of Hulu. His career started with an internship at The Walt Disney Company, which led to a job in the strategy and marketing groups of Disney Design and Development after college. After Disney, Kilar continued his education at Harvard Business School, where he received an MBA. In 1997, his final year at Harvard, he was recruited to join Amazon.com.

When he joined Amazon — starting the Monday after his last day of final exams — it was still a relatively small, private company. During his tenure, Kilar was instrumental in introducing a new way of business that focused on the user experience and helped Amazon transform from largely a book retailer to a virtual warehouse that allows consumers to purchase almost anything from seemingly any retailer. His accomplishments included running the company's North America media products businesses, which included its books, music and video categories, and writing the original business plan for Amazon's entry into the video business.

In 2007, Kilar signed on as the founding CEO of the groundbreaking online video service Hulu. Under his leadership, Hulu quickly grew to become one of the world's most popular destinations for streaming television and movies. Today, Hulu generates more than $1 billion in annual revenue, with 6 million paying subscribers and millions of visitors who stream its free content each month.

Kilar left Hulu in 2013. In March of 2015, he unveiled his latest venture: Vessel, a next-generation mobile video service. In addition to his work with Vessel, Kilar serves on the board of directors at DreamWorks Animation.

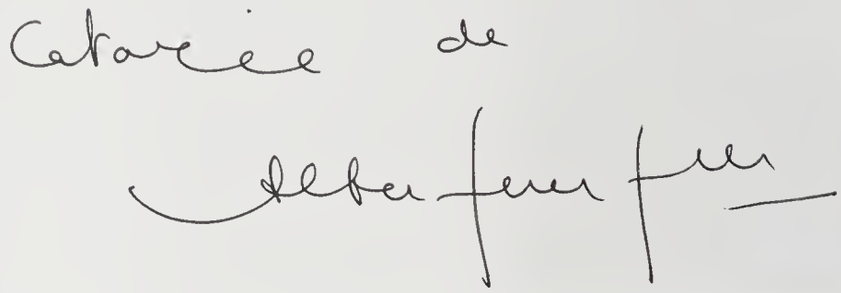
"I am humbled by the invitation to speak at Carolina's 2015 commencement, and honored to accept," said Kilar. "There are few things in life that approach the beauty of a sunny Sunday in May in Chapel Hill. I look forward to returning this spring to the University that I love, to pause by the Old Well, and most importantly, to proudly celebrate the class of 2015 as they set off to change the world."

Kilar earned bachelor of arts degrees in business administration and journalism and mass communication at Carolina in 1993. He received the UNC General Alumni Association Distinguished Young Alumni Award and the UNC Kenan–Flagler BSBA Alumni Merit Award in 2010.

Honorary Degree Recipient

CATARINA DE ALBUQUERQUE

DOCTOR OF LAWS



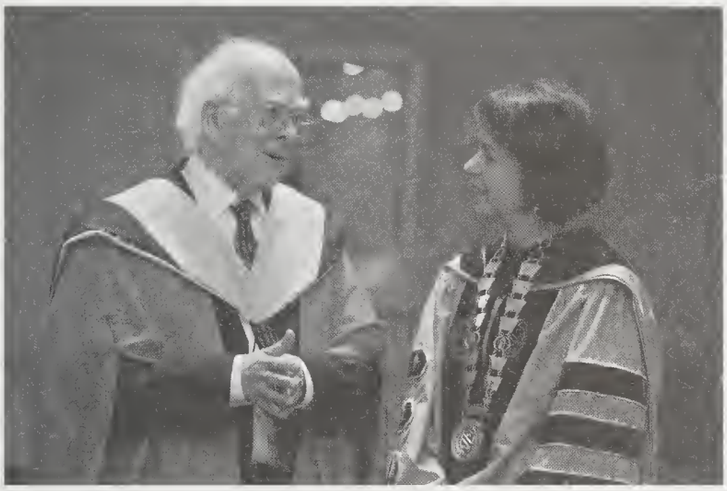
Catarina de Albuquerque is a world-renowned human rights lawyer. After taking her law degree from the University of Lisbon and completing the Master's Program in International Relations – International Law Branch at the Graduate Institute of International Studies in Geneva, Albuquerque quickly rose to prominence both as a professor of law in Portugal and an international human rights advocate. From the start, she focused on issues pertaining to health and human rights, and over the years has worked tirelessly on behalf of the dispossessed worldwide. Between 2004 and 2008, she presided over difficult United Nations negotiations relating to the Optional Protocol to the International Covenant on Economic, Social and Cultural Rights. Those negotiations resulted in an agreement that allows individuals to present complaints before the UN against their own governments for alleged violations of socio-economic rights, including the right to health. In that same year, Albuquerque became the first UN Special Rapporteur on the Right to Safe Drinking Water and Sanitation, a position that she held until 2014. In her role as Special Rapporteur, Albuquerque was one of the world's most vigorous advocates of the rights of peoples in every nation to have access to safe drinking water and sanitation, rights which are currently denied to more than one billion people on Earth. Currently she serves as vice chair of Sanitation and Water for All (SWA), a global partnership of more than 90 developing country governments, donors, civil society organizations and others working toward a common vision of universal access to safe water and adequate sanitation.

Albuquerque's honors include the Jean Pictet Prize in International Humanitarian Law (1995, Paris), the Portuguese Parliament's Human Rights Golden Medal (2009), and the President of Portugal's Condecoration with the Order of Merit (2009). She has presented several times at the Gillings School of Public Health, has been a regular participant in Carolina's Water and Health conferences in 2010, 2011 and 2012, and gave UNC's 2013 Health and Human Rights Lecture.

Honorary Degree Recipient

PETER WARE HIGGS

DOCTOR OF SCIENCE



Peter Higgs received the degree of Doctor of Science honoris causa *from Chancellor Carol Folt on March 3, 2015, at the University of Edinburgh, Scotland.*

Peter Higgs is professor of physics and astronomy emeritus at the University of Edinburgh, Scotland. He received the 2013 Nobel Prize in Physics "for the theoretical discovery of a mechanism that contributes to our understanding of the origin of mass of subatomic particles." With the announcement on July 4, 2012, that a Higgs boson-like particle (named after Peter Higgs) had been found, physicists at the European Organization for Nuclear Research (CERN) in Geneva, Switzerland, unveiled the final piece of the standard model of elementary particle physics: a theoretical framework that describes all fundamental particles and forces except gravity. According to the theory advanced by Higgs and others, elementary particles acquire their mass from their interactions with the Higgs field that permeates all space. As with all quantum fields, there is a particle associated with the Higgs field. Finding the Higgs boson means the Higgs field really exists. The theoretical paper that lies behind the CERN experiments was written by Higgs while he spent the year 1965–1966 at the Bahnson Institute of Field Physics at the University of North Carolina at Chapel Hill. Higgs' work has played a central role in the physicists' quest to unify the forces of nature.

Photo by David Cheskin.

Honorary Degree Recipient

MARY ELIZABETH JUNCK

DOCTOR OF LAWS

Mary Junck is chief executive officer and chair of Lee Enterprises, a major newspaper corporation. Currently, she is chair of the board of the Associated Press, America's leading international news service and a nonprofit organization that stands for the best in journalism. Meeting the challenges of a reconfigured industry, Junck led Lee Enterprises into the digital age. She navigated the changing marketplace to enable the company's commitment to community values to thrive in the 21st century, even though business and consumer habits disrupted the traditional economic model. She put together a leadership team that has been able to keep the business growing, committed to its model of serving the information needs of the cities and towns where it operates, and at the same time prepared the company for more change in the future. Prior to joining Lee, Junck held several key executive positions at the former Times Mirror Company. She began her career with the Charlotte Observer.

Junck has been a generous and committed supporter of her alma mater, Carolina's School of Journalism and Mass Communication. She endowed the Mary Junck Colloquium, an initiative that brings scholars together to share insights into the world of media. She also supported the school's move to Carroll Hall and made contributions that helped provide Ph.D. students office space on the faculty floors —something that has led to collaboration and made a real difference for students and faculty alike. Junck has served on advisory committees of the school throughout her career. She has been a member of the school's Board of Visitors and represented alumni interests for many years as a JAFA (Journalism Alumni and Friends Association) board member. She received the University Distinguished Alumna Award in 1997.

Honorary Degree Recipient

R. CHARLES LOUDERMILK SR.

DOCTOR OF LAWS

Charlie Loudermilk

Charles Loudermilk is an entrepreneur, philanthropist, business and community leader, and consensus builder. He founded Aaron Rents, Inc. in 1955 with a $500 bank loan. He led the company until retiring in 2012 and is now chair emeritus. In March 1965, putting his business at risk, he agreed to rent tents to Martin Luther King Jr.'s Southern Christian Leadership Conference for the second march from Selma, AL, to Montgomery. In his memoir Loudermilk said he told a reluctant manager, "I'd like to have the business and rent the tents at half the rate. I think it's the right thing to do." He added, "I couldn't help but notice that King's people paid for the tents and rental equipment in quarters, half-dollars and rumpled dollar bills, scarce money obviously taken up in collections. They were working out of their back pockets. I knew the feeling." As Aaron Rents grew, Loudermilk became a leading member of the Atlanta business community. He served as co-chair of the Atlanta Action Forum, a small but influential biracial group of behind-the-scenes business leaders who helped establish Atlanta as a role model for racial integration in the 1960s. He co-chaired Andrew Young's mayoral campaigns in 1981 and 1985 and helped bring the 1996 Summer Olympics to Atlanta. He has been a member of the Atlanta Rotary Club for more than 50 years.

Loudermilk earned his B.A. in business administration from Carolina in 1950 and has been a generous supporter of his alma mater. He helped fund construction of the Kenan–Flagler Business School's McColl Building and the Paul J. Rizzo Conference Center at Meadowmont. Loudermilk also donated the funds to build Kenan Stadium's Loudermilk Center for Excellence, which serves Carolina's 800 student-athletes across 28 sports. He has served on the University's Board of Visitors and the Carolina First Campaign Committee, and has been recognized with the Board of Trustees' William Richardson Davie Award and the Carolina Leadership Academy's Leader of Distinction Award.

Honorary Degree Recipient

CHARLES W. MILLARD III

DOCTOR OF FINE ARTS

Charles Millard is an outstanding art history scholar, writer and curator. He served as director of the Ackland Art Museum from 1986 to 1993, transforming the museum in several important ways. A nationally recognized expert on French sculpture, Millard published a well-regarded book on Degas' sculpture in 1979, and continued his scholarly contributions by writing on subjects ranging from Cubism to modern architecture to pottery to photography. As a museum professional, he held important positions at institutions including Dumbarton Oaks, the Washington Gallery of Art and the Los Angeles County Museum of Art before being appointed the first chief curator of the Hirshhorn Museum and Sculpture Garden in Washington. During his 7-year tenure as director of the Ackland Museum, Millard added more than 800 new works to the collection, established a robust education program with an interdisciplinary University liaison, expanded the museum's staff and accomplished a complete renovation of the Ackland building.

After stepping down as director, Millard continued to be active on the Ackland's National Advisory Board and also as a donor. Much of his generosity has been quiet and behind-the-scenes, but in 2010 he stepped forward and accepted publicity and thanks for a most remarkable donation. By happenstance, Millard discovered that a small sculpture he had long owned was extremely valuable; instead of simply giving the work of art to the Ackland, he sold it and established the Tyche Foundation which then purchased 51 works of art specifically chosen to fill gaps in the Ackland collection.

Honorary Degree Recipient

WYNDHAM GAY ROBERTSON

DOCTOR OF LAWS

Wyndham Gay Robertson

Wyndham Robertson is a pioneer among women in journalism. After graduating from Hollins University in 1958 with an economics degree, Robertson joined Fortune magazine in 1961, was promoted to researcher-reporter shortly thereafter, and began writing its landmark personal investing column in 1968. She was elected to Fortune's board of editors in 1974 and became the magazine's first female assistant managing editor in 1981. She also served a stint as business editor of Time magazine before leaving journalism at the invitation of UNC President C. D. Spangler Jr., to become the University's first female vice president in 1986. Robertson spent the last decade of her career as the vice president for communications at UNC where her duties included overseeing the UNC Center for Public Television.

Robertson was a trustee of Hollins University for 31 years, serving one term as chair. She has been a generous supporter of her alma mater and chaired the Campaign for Hollins, which broke fundraising records for southern women's colleges. Hollins gave her an honorary degree in 2009, when the graduating class invited her to be their commencement speaker, and the Hollins library is named in her honor. She has also been a generous supporter of Carolina, especially the College of Arts and Sciences and Carolina Performing Arts.

Robertson's honors and awards include the Hollins Medal, the Gerald M. Loeb Achievement Award for Distinguished Writing on Investment, Finance and Business, and the American Journalism Historians Association's Award for Breaking Gender Barriers in Journalism and Communication. In 2013 she was inducted into the North Carolina Halls of Fame in Journalism, Advertising and Public Relations. She has served on the Board of Directors of Capital Cities/ABC Inc., the Equitable Companies and Wachovia Corp. Currently she is a director of Media General, which owns some 70 television stations throughout the United States, and is on the board of many nonprofits, including the Carolina Performing Arts International Advisory Board, the Friends of the Playmakers Advisory Board, the Stewards Fund and the Robertson Foundation.

A MESSAGE *to* CAROLINA'S NEWEST ALUMNI

Congratulations! You are now graduates of the University of North Carolina at Chapel Hill. Let your General Alumni Association help you make a seamless transition from students to alumni — no matter where you find yourselves after graduation. Visit alumni.unc.edu/youngalumni.

GETTING STARTED

Don't miss out on special invitations and services. Call (877) 377-7125 or visit alumni.unc.edu/update to keep your official University record updated. Jump start your network with Carolina alumni — join the GAA's groups on Facebook and LinkedIn.

ALUMNI CAREER SERVICES

Networking is the most effective approach to finding a job. The GAA can connect you with more than 7,000 alumni volunteers in our Alumni Advisor Network who can help you explore career options.

GAA members from the Class of 2015 have unlimited access (phone, email or in person) to the GAA's certified career coach for one year following graduation. If you're thinking about grad school, GAA members also receive discounts on Kaplan prep courses.

FINDING OTHER TAR HEELS IN YOUR AREA

- Local Carolina Clubs can be found in nearly 100 cities around the globe. Socialize, network, cheer on the Heels and continue that spirit of Tar Heel service within your community.
- The GAA's Online Alumni Directory can help you develop a network like no other. The directory includes approximately 300,000 former Carolina students.

TRUSTED INFORMATION SOURCE

The "Carolina Alumni Review," the "Out of the Blue" e-newsletter, the GAA's Twitter feed and alumni.unc.edu can keep you updated on the University's achievements and challenges as well as what's going on in Chapel Hill.

Congratulations again. We hope you'll choose to join 67,000 GAA members who remain connected and help serve Carolina and our students — past, present and future. The GAA offers new grads a one-year membership for only $25 — a $20 savings off our annual dues rate. Or save $50 on life membership — only $32.25/month for 24 months.

For more information on how the Association serves new graduates, please call Brandon Copeland '12 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CAROLINA ANNUAL FUND *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

CLASS OF 1965 CELEBRATES GOLDEN ANNIVERSARY

As part of their 50th class reunion, representatives from Carolina's Class of 1965 will join the academic processional at commencement and will precede the undergraduates. Watch for these most recent inductees into the General Alumni Association's Old Students Club, who will be adorned in Carolina blue gowns and wearing medallions commemorating their golden anniversary reunion.

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
- African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies

Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
- Child Development and Family Studies; Elementary Education; Middle Grades Education

Bachelor of Arts in Journalism and Mass Communication
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
- Applied Science; Biology; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology

Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
- Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition

Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Auditory Learning in Young Children
Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
- American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication

Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
- Education; School Counseling; School Psychology

Master of Fine Arts in the discipline of:
- Dramatic Art; Studio Art

Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science
Master of Public Administration
Master of Public Health in the discipline of:
- Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership

Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
- Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Computer Science; Dental Hygiene Education; Ecology; Economics; Endodontics; Environmental

Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Rehabilitation Counseling and Psychology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research
Master of Science in Disaster Management
Master of Science in Environmental Engineering
Master of Science in Information Science
Master of Science in Library Science
Master of Science in Nursing
Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health
Master of Science in Recreation Administration
Master of Social Work
Doctor of Nursing Practice
Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology
Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology
Doctor of Dental Surgery
Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership
Doctor of Medicine
Doctor of Pharmacy
Doctor of Physical Therapy
Juris Doctor

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

WEST FRANKLIN STREET
EAST FRANKLIN STREET
University Square
COLONY CT
FRATERNITY CT.
McCorkle Place
Cobb Arboretum
HOOPER LANE
SENLAC ROAD
BOUNDARY STREET
WEST CAMERON AVENUE
EAST CAMERON AVENUE
Polk Place
Upper Quad
Lower Quad
COBB DRIVE
LENOIR DRIVE
PAUL GREEN THEATER DRIVE
McCAULEY STREET
SOUTH ROAD
VANCE STREET
UNIVERSITY DR.
DAUER DR.
N. MEDICAL DRIVE
SOUTH COLUMBIA STREET
PITTSBORO STREET
RANSOM STREET
MASON FARM ROAD
WEST DRIVE
HOSPITAL DRIVE
MANNING DRIVE
EMERGENCY ROOM DRIVE
NEW EAST DRIVE
PAUL HARDIN DRIVE
RIDGE ROAD
STADIUM DRIVE
COUNTRY CLUB ROAD
RALEIGH ROAD
GIMGHOUL
BERNARD ST.
HIBBARD DRIVE
WILLIAM BLYTHE DRIVE
BRANSON STREET
SKIPPER BOWLES DRIVE
EHRINGHAUS DR.
HINTON JAMES DR.
KENAN CENTER DRIVE
WILLIAMSON DRIVE
PINE LANE
BUTTONS LANE
LAUREL HILL ROAD
PUREFOY ROAD
WHITEHEAD CIRCLE
OTEYS ROAD
BAILEY HILL DRIVE
FERN LANE
IRIS LANE
US 15-501 / NC 54 BYPASS
FORDHAM BLVD.
US 501 to Pittsboro
to I-40 and MLK Jr. Blvd
to N.C. 54 and Friday Center
to N.C. Botanical Garden
N

DEPARTMENTAL *and* SCHOOL COMMENCEMENT EVENTS

SUNDAY AFTERNOON, MAY 10

SCHOOL OR DEPARTMENT	TIME	PLACE	MAP LOCATION
Allied Health Sciences	1:00 p.m.	Wilson Library, Pleasants Family Room	H-6
Anthropology	Reception following main ceremony	Gerrard Hall	G-4
Archaeology	Reception following main ceremony	Gerrard Hall	G-4
Art	1:00 p.m.	Hanes Art Center, Room 121	G-2
Asian Studies	Reception following main ceremony	New West, Room 219	G-3
Biomedical Engineering	1:00 p.m.	Murray Hall, Room 202	G-5
Chemistry	1:00 p.m.	Friday Center	M-7
Classics	1:00 p.m.	Murphey Hall, Room 116	H-5
Dramatic Art	1:00 p.m.	Center for Dramatic Art	L-6
Economics	1:00 p.m.	FedX Global Education Center	F-6
Environment and Ecology, Institute for the Environment	1:00 p.m.	North Carolina Botanical Garden	L-16
Exercise and Sport Science	1:00 p.m.	Fetzer Gym A	J-7
Geography	Reception following main ceremony	Saunders Hall	H-4
Germanic and Slavic Languages and Literatures	1:00 p.m.	Dey Hall, Toy Lounge	H-5
Global Studies	4:00 p.m.	Memorial Hall	H-4
History	1:00 p.m.	Hamilton Hall, Room 100	J-4
Information and Library Science	1:00 p.m.	Carolina Union, Great Hall	J-6
Journalism and Mass Communication	3:30 p.m.	Carmichael Arena	K-7
Linguistics	Reception following main ceremony	Kenan Music Building, Rehearsal Hall	F-3
Mathematics	1:00 p.m.	Phillips Hall, Front Lawn	F-4
Music	2:00 p.m.	Hill Hall, Auditorium	G-2
Peace, War and Defense	Reception following main ceremony	Carolina Union, Aquarium Lounge	J-6
Physics and Astronomy	1:00 p.m.	Chapman Hall, Room 201	G-4
Political Science	1:00 p.m.	Memorial Hall	H-4
Psychology	1:00 p.m.	Carmichael Arena	K-7
Religious Studies	Reception following main ceremony	Courtyard between Saunders and Murphey Halls	H-4
Statistics and Operations Research	1:00 p.m.	Hanes Hall, Room 120 and 3rd Floor Lounge	H-4

CANDIDATES *for* GRADUATE DEGREES

May 2015 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Garrett Robert Ainslie, *Toxicology,* A Translational Approach to Assess the Risk of Dietary Substance-Drug Interactions. Professor Mary F. Paine.

Santiago Anria, *Political Science,* Social Movements, Parties and the Left in Latin America: The Bolivian MAS (Movement Toward Socialism) in Comparative Perspective. Professor Evelyne Huber.

Marios Antoniou, *Education,* The Prospects for Peace Education in Cyprus: Exploring the Potential for Future Unified Education Through the Examination of a Bi-Communal School. Professor Lynda Stone.

Katherine J. Arpen, *Art History,* Pleasure and the Body: The Bath in 18th-Century French Art and Architecture. Professor Mary D. Sheriff.

Lydia Tatiana Aybar, *Microbiology and Immunology,* Characterization of Regulatory B Cells in Patients With Anti-Neutrophil Cytoplasmic Autoantibody Vasculitis. Professor Ronald Falk.

Jacob William Bartel, *Computer Science,* Predictions to Ease User's Effort in Scalable Sharing. Professor Prasun Dewan.

Amanda Katharine Bean, *Education,* "The Bridge Between Sessions": The Nature of Discourse in a Novice Teachers' Blended Community of Practice. Professor Jocelyn Glazier.

John Doyle Beard, *Epidemiology,* Military Service, Deployments and Exposures in Relation to Amyotrophic Lateral Sclerosis Etiology and Survival. Professor Lawrence S. Engel.

Joshua Eugene Beaver, *Chemistry,* The Development of Receptors for Posttranslationally Modified Peptides in Water. Professor Marcey L. Waters.

Charles Micha Belden, *Health Policy and Management,* Organizational Determinants of Minority Participation in Clinical Research. Professor Bryan J. Weiner.

Angela Marie Bengtson, *Epidemiology,* cART Initiation During Pregnancy Among HIV-Infected Women in Lusaka, Zambia: The Impact of Duration of cART on Pregnancy Outcomes and Predicting Postpartum Loss to Follow Up. Professor Audrey Pettifor.

Laya R. Bhavaraju, *Toxicology,* Examination of Diesel and Biodiesel Exhaust Exposure Induced Disruption of Lipid Arachidonic Acid Metabolism. Professor Frank Church.

David Bockino, *Mass Communication,* "The Noble Path": Journalism Education and Journalism Students in the United States and India. Professor Daniel Kreiss.

Lisa Mullen Bono, *Biology,* Competition and the Evolution of Novel Resource Use: An Experimental Test in a Virus. Professors Christina L. Burch and David W. Pfennig.

Adrian D. Bridges, *Education,* The Relationship Between Collaborative Learning and Self-Regulated Learning During Adolescence: A Meta-Analytic Review. Professor Jeffrey A. Greene.

Francisco Brignole, *Romance Languages and Literatures,* Nuevos Rumbos en la Novela del Exilio Latinoamericano de la Postdictadura (1990–2014). Professor Oswaldo Estrada.

Lena Jeanette Brown, *English,* Kicking Ass is Comfort Food: Television and the Feminist Heroick. Professor Todd Taylor.

Jason Brunton, *Microbiology and Immunology,* Identifying Host and Bacterial Factors Required for Francisella tularensis Intracellular Growth. Professor Thomas Kawula.

Sri Hapsari Budisulistiorini, *Environmental Sciences and Engineering,* Real-Time Chemical Characterization of Atmospheric Organic Aerosol in the Southeastern United States by Aerosol Mass Spectrometry. Professor Jason D. Surratt.

Evan L. Busch, *Epidemiology,* Markers of Epithelial-Mesenchymal Transition and Colorectal Cancer Mortality: Time-to-Event and Latent-Class Analyses. Professor Robert S. Sandler.

Nathaniel Bushek, *Mathematics,* Descending G-equivariant Line Bundles to GIT Quotients. Professor Shrawan Kumar.

Joshua Kalin Busman, *Musicology,* (Re)Sounding Passion: Listening to American Evangelical Worship Music (1997–2015). Professor Mark Katz.

Tessa Marie Carducci, *Chemistry,* Electron Transfers Between Small Nanoparticles. Professor Royce W. Murray.

Sarah Apffel Cegelski, *Romance Languages and Literatures,* Monstrosity and Identity in the Comedias of Lope de Vega. Professor Carmen Hsu.

Adriana Nicole Cerami, *Romance Languages and Literatures,* Mafia Motifs in Andrea Camilleri's Detective Montalbano Novels: From the Culture and Breakdown of Omerta to the Mafia as a Scapegoat for the Failure of State. Professor Ennio I. Rao.

Ashley Chaifetz, *Public Policy,* The Food Safety Policy Gap: Essays on Emergency Food in North Carolina. Professor Pamela Jagger.

Roy Anthony Charles, *Education,* Exploring Proximal Influences on the Academic and Research Career Choices of African American Female Graduate Students. Professor George Noblit.

John Cluverius, *Political Science,* Grassroots Lobbying and the Economics of Political Information in the Digital Age. Professor Thomas M. Carsey.

Amanda Barnes Cook, *Political Science,* Breastfeeding, Feminism and Political Theory. Professor Susan Bickford.

Erin Elizabeth Cooley, *Psychology,* More People but Less Mind: How Number Affects Mind Perception and Decisions to Harm. Professor Brian Keith Payne.

Daniel Earl Cooper, *Nutrition*, Physiological Consequences of Compartmentalized Glycerolipid Synthesis. Professor Rosalind A. Coleman.

Anna B. Cope, *Epidemiology*, Assessment of HIV Transmission and Diagnosis Patterns in North Carolina. Professor William C. Miller.

Katie L. Cotter, *Social Work*, Adolescent Female Aggression: Measurement, Relational Risk and Promotive Factors and Risk Pathways. Professor Paul R. Smokowski.

Melissa Marie Crane, *Health Behavior*, Improving Men's Health Through Weight Control: Randomized Trials Testing Recruitment Messaging and a Novel Weight Loss Intervention. Professor Deborah F. Tate.

Emily Rose Cranford, *Romance Languages and Literatures*, I Am Myself the Matter of My Book: Gender, Friendship and Writing in Hélisenne de Crenne and Marie de Gournay. Professor Hassan Melehy.

Stacey Leigh Cutbush, *Health Behavior*, Teen Dating Violence Perpetration Among Middle School Youth: The Role of Bullying, Sexual Harassment and Gender. Professor Vangie Foshee.

Danielle O. Dean, *Psychology*, Utilizing Multilevel Event History Analysis to Model Temporal Characteristics of Friendships Unfolding in Discrete-Time Social Networks. Professor Daniel J. Bauer.

Jennifer Caraway Decse, *Epidemiology*, Inflammation of Innate Immune Responses in the Female Genital Tract: Association With Use of Injectable Progestin-Only Contraception, Reproductive Tract Infections and Risk of HIV Acquisition. Professor William Miller.

Svetoslav Misak Derderyan, *Political Science*, The Effects of the European Union on Corruption Control in Central and Eastern Europe Before and After Accession. Professor Milada Vachudova.

Mathieu Ronald Despard, *Social Work*, Evidence-Based Practice in Nonprofit Human Service Organizations. Professor Gina Chowa.

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Christine Marie Fierro, *Educational Leadership,* Does How Students Are Assigned to Classrooms Matter? An Examination of Students' Relative Achievement on State Standardized Tests in Tracked and Untracked North Carolina English Language Arts Middle Grades Classrooms. Professor Fenwick English.

Shane Michael Morrison, *Educational Leadership,* A Comparison of the Challenge of the Common Core State Standards to Traditional Job Stressors of North Carolina Superintendents. Professor Fenwick English.

Susan Elizabeth Sutherland, *Educational Leadership,* Preparing Students To Be Globally Competitive in the 21st Century: Exploring Educational Leaders' Global-Mindedness and Student Achievement in North Carolina Public High Schools. Professor Dana Thompson Dorsey.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

May 2015

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

DOCTOR OF DENTAL SURGERY

Jyotica Ahuja
Zachary D. Albertson
Courtney Renee Aman
Martin Neal Baker
Suzanne Davis Baker
David Xavier Baranowski
Bobby G. Barr
Whitley Wayne Bartholomew
Travis Andrew Bell
Gisela Lilian Borget
Kiara Danielle Brown
Julia Rebecca Byron
Kristy Nalee Cho
Robert Thomas Christensen
Matthew Gray Corbin
Franquil Nelson Diaz
Catherine Carter Doswell
Kimberly Michele Draper
Jennifer Nicole Durham
Sara Emam
Brian Joseph Fernandes
Margaret Ann Floor
Devinn L. Geeson
Billy M. Greene
Alessandra Marie Gutierrez
Jonathan Wilson Hairr
Andrew Robert Harrell
Elyse S. Hayes
Lillian M. Height
Brett Russell Henson
Shalise Marie Holt
Daniel Mark Hostrander
Matthew Michael Howell
Lance Hill Hutchens
Ashton Blake Jeffreys
Lauren Haley Katz
Cary Alexander Keen
Ann Douglas Kennedy
Alexandra Anne Kurey
Sun Min Lee
Lysandra Palmer Lestini
Brenda Lizzet Lopez
Lauren Phillips Martin
Veronica Catherine Matthews
Kyle Martin McKinney
Rebekah L. McPherson
Dominique Medina
Brent Alexander Meekins
Stacey Leigh Metty
Ashley Diane Morgenstern
Trang Quynh Thi Nguyen
Rory James O'Kane Jr.
Melissa Lyn Reitano Owen
Gina Marie Patrice
Katherine Huston Payne
Jessica Leigh Peele
Michael Robert Plage

WILL OWENS

Timothy C. Polumbo
Jennesia Marie Primas
Stephanie Anne Rounds
Atousa Bashardoost Safavi
Jason L. Sanders
Matthew James Scheske
Sardar Murtuza Shah-Khan
Bianca Denee Speight
Ashley Dannahower Starr
Jenna Leigh Stover
Bhavin Mayank Trivedi
Juliya Ramnikbhai Vaghani
Ashley Lynn Walsh
Jesse J. Walsh
Blaire Elizabeth Warren
Marc Edward Weber
David Alexander Whitlow
Michael Cliff Wilson
Dean Franklin Woodall
Heather Ann Zimmerman
Joshua Stephen Zukerman

The School of Law

ESTABLISHED 1843
Dean John Charles Boger

JURIS DOCTOR

Jee-Eun Ahn
Zachary Paul Ainsztein
Justin Allen
Leo W. Alley
Ashley Lauren Anderson
James Patrick Anderson
Lucille C. Andrzejewski
Leah Michelle Arnold
Candra K. Baizan
Frederick E. Benz
Ashley L. Berger
Caitlin Marie Bernstein
Samera Beshir
Max Pfenninger Biedermann
Ian A. Biggs
William H. Blackton Jr.
Brian M. Blood
Mary W. Bode
Kerry Marie Boehm
Daniel Alan Brader
Daniel David Brunstetter
Allen K. Buansi
Hailey Madison Bunce
Laura E. Burkett
Catherine Shepherd Burns
Cory R. Busker
William M. Butler
Nicholas Kehoe Byrne
Cassandra M. Capote
Whitley Jene Carpenter
Derek Howard Carr
Elizabeth Lynn Carroll
Brittany M. Cartner
Dylan James Castellino
Christopher Robin Castro-Rappl
Kristopher L. Caudle
James Arthur Chapman
Daniel Choo
Daniel W. Cole
Amanda Marie Colley
Brett Daniel Currier
Nicole Kahlia Daniels
Charlotte M. Davis
Kevin W. Delaney
Keta Mahesh Desai
Natalia Deyneka
Eissabeth Kaye Dizon
Emily Caroline Doll
Brent James Ducharme
Christopher Sinnott Dwight
Tony K. Eaves
Raymond Lewis Echevarria
Rabee El-Jaouhari
Brandon C. Elliott
Alissa Mary Ellis
Christopher Nelson Ellis
William Tyler Ellis
Benjamin A. Evans
Richard Evans
Christopher G. Fargo-Masuda
Annalise Hope Farris
Jeffrey R. Favitta
Irving E. Figueroa
David R. Fitzgerald
Rory J. Fleming
Richard MacDonald Forbes
Harrison Bridger Freedland
Ikee Inez Alberta Marie Gardner
Katherine A. Gardzalla
Erin E. Gibbs
David Benjamin Goldberg
Jessica Lauren Gregory
Nathan J. Gudeman
Charles B. Hagerman
Caroline Carter Hall
Bradley D. Harder
David W. Harper
Amanda Michelle Harris
John Everett Harris
Brighton Nicole Haslett
Teresa G. Heath
Vinecth Shankar Hemavathi
Daniel P. Hemme
Kelsey Elizabeth Hendrickson
Matthew W. Henry
Andrew J. Henson
Asia Ebony Hester
Clay Sutton Hester
Heather Marie Hillaker
Christopher A. Hodgson
Grace L. Holland
Dianna Sarah Angélique Houenou
Jason D. Huff
Valerie Mason Hughes
Michael R. Humphrey
Julia Marie Hurley
Neal Andrew Inman
Lucy A. Ireland
Gabrielle S. Johnson
Mark Fredrick Johnson
Taylor Anneliese Johnson
Jason Robert Jones
James Karl Jordan IV
Jennifer Elizabeth Joyner
Caitlin B. Kannan
Tucker B. Kass
Laura Elizabeth Kastner
Kristen J. Kenley
Glenn Sandler Kern
Jonathan Jud Kinny
Patrick N. Kirby
Aaron Steven Kirschenfeld
Mark A. Kochuk
Stella Kreilkamp
Gabriel A. Kussin
Nicole Danielle Ladner
Justin F. Lalor
Katherine M. Lamberth
Todd C. Landreth
Mark Alexandre Larouche
Barton Thomas Lee
Britton Colin Lewis
Xuan Li
Shang-Yun Lin
Jennifer Marie Little
Erin Lee Locker
Kathleen Amanda Lockwood
Charles Edward Loeser
Anthony Lee Lucas
Joshua L. Lucas
James Sawyer Lucy
Kira Anne Lumsden
Jacquelin Carol-Uhlik Macdonald
Joseph Makhoul
Amalia V. Manolagas
Joseph A. Marshall
Cameron Hunt Martin
Ellis Wilson Martin
Robert C. Martin
Wesley David Mayberry
Jeremy Drennan McCamic
Caitlin H. McCartney
Kathleen Anne McConnell
Timothy L. McKeever
Margaret C. McLendon
Ben C. McManus
Carmen E. Melvin
Dana L. Messinger
Kathryn Dawn Milam
Graham S. Miller
Melissa J. Mitchell
Kelly C. Morris
Christina Terese Nasuti
Ryan Hunter Niland
Jennifer L. Nusbaum
Chigozie D. Ogwuegbu-Stephens
Anna Elizabeth Orr
Graham Matthew Owen
Tiffany D. Owen
Alicia M. Palmer
Daniel A. Parisi
Taylor A. Payne
Britney Jenee Peguese
Emily Michelle Pena
Kelsey Lynn Penrose
Catherine N. Perez
Kim Brett Perez
Stephen Johnson Perry
Jenelle Marie Peterson
Kyle Robert Peterson
Brian Christopher Phillips
Leslie Puzo
Dillon Alexander Redding
Joseph I. Rhetts
Heidi J. Rickes
Benjamin E. Robbins
Michael Macrae Robinson
Michael Tebay Rose
Cydney J. Russell
William H. Sain
Abdulrahman Salem
Samantha H. Scheller
Elizabeth Maria Schoeman
David C. Seastrunk
Amelia Larrick Serrat
Stephanie L. Shaker
Lauren Elizabeth Shor
Gregory Kent Sigmon
Elizabeth G. Simmons
Peter Simmons
Parker James Smith
William Keith Smith
Andrea Diana Solorzano
Matthew Benjamin Spangler
Ana C. Spitzley
Joseph A. Stusek
Veronika Sykorova
Benjamin Patrick Szany

Lauren M. Talboom
Hannah Katherine Tedder
Alison C. Templeton
Stuart G. Thomason
Philip Andrew Thompson
William Logan Thore
Kateri Tremblay
John William Tucker
Nicholas R. Turza
Matthew Alexander Van Hoy
Mary Katherine Varner
Caroline B. Veltri
Matthew Alexander Viva
Peter Beauchamp Von Stein
Llogan R. Walters
Peter H. Webb
Julia Diane Welch
Natalie Suzanne Welch
Kevin T. Westerman
Bryan Marlowe Weynand
Christina Marie Wheaton
Cody R. White
Jacob M. Wight
Nicole Shanette Wilkes
Jonathan Frye Williams
Samuel H. Williams
Brian T. Ziegler
Elizabeth Alden Zimmerman

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE

Marshall Alexander Ahearn
Christopher Eric Alexander
Ali Abdullahi Annaim
Vincent John Arnone
Mehak K. Aziz
Angela Marie Bacigalupo
Anshul Kumar Badhwar
William Keith Ballentine
Dillon James Barron
Essraa Mohamed Bayoumi
Brian Matthew Blank
Michael Charles Bond
Sailaja Bondalapati
Dustin Eli Bosch
Lauren Elizabeth Bradford
Courtney Webber Brantley
Landon Carter Brown
Michelle Ann Brown
Mary Elizabeth Burns
Austin Cannon
Ian Lateef Cannon
Christina Jean Carter
Aaron Joseph Casp
Brian L. Charnock
Katie Ting-Te Cheng
Stephanie Marie Glass Clark
Henry Doyle Colangelo
Mariatu Ashake Cole
Leah A. Commander
Laura Shelton Cone
Jesse Marie Conyers
Sarah Frush Cotter
Rachel Bryan Cowherd
Renatta Diane Craven
Brooke Laura Crossley
John Sutter Curtiss
Meagan Elise Deming
Katherine Alexandra Despotes
April Eleyna Deveaux
David Matthew DeWeese
Christopher Francis Dibble
William Wallace Dixon
May Nhu Doan
Jennifer Doorey
Andrea Blaire Dotson
Daniel Jonathan Dunlap
Michael Luca Durando
Alisa Katherine Eanes
Kristine Marie Falk
Jerome Jeffrey Federspiel
Jason Fishel
Eric John Formeister
Madison Steele Foushee
Richard Emmett Frye
Michael Leonard Garner
Blair Pollitt Golden
Jason Adam Gonzalez
Rachel Erin Gooding
Daniel Joshua Green
Samuel William Grodman
Alison Lindsay Halpern
Rawad Imad Hamzi
Rachel Alison Harper
Zachary Merle Haulsee
Samuel Allen Heathcote
Jaclyn Nicole Hess
Jonathan Fitzgerald Hill Jr.
Paul Tilton Hudson
Matthew Ryan Hunsucker
Aaren Marie Hunt
Christopher Jaeyon Hwang
Jessica E. Isom
Thomas Merryfield Jarrett
William Richard Jeck
Christopher Edward Jensen
Rui Jiang
Heather Lauren Jones
Kevin David Kennedy
Katharine Anna Kenyon
Amber Bradlyn Kernodle
Brice Allen Kessler
Adam Ross Ketner
Stephen David Kimmel
Kevin Zachary Kinlaw
Christian Tyler Kirkland
Stephanie Brooke Kiser
Kyle Vance Knowlson
Heather Anne Koehn
Lalitha Kunduru
Tara Anne Lane
Brian Montgomery Lappas
Patricia Marie Lenhart-Pendergrass
Susan Shiyuan Li
Jared Richard Lowe
Julie Harding Lucas
Yemeng Lu-Myers
Kimberly Michelle Malloy
Laura Ann Malone
Jonathan Patrick Manhard
Sayeed Manick
Jonathan Alan McBride
Joseph Harold McClellan
Emery Harris McCrory
Kathryn Margaret McKenney
Suman Medda
Kathryn Scanlon Merriam
Brendan Jay Michel
Brian Phillip Milam
Nathaniel Moore Miller
Kathryn Pax Lattimore Moore
Brenda Maria Morales-Pico
Justin Cates Morse
Brandon Tyrone Mullins
Collyn Tamsen Murray
Olivia Paige Myrick
Kahra Docia Manji Nix
Colin Francis Nolan
Kerry Elizabeth O'Connor
Eze Okeagu II
Matthew Hill Overton
Hannah Lee Park
Caleb Michael Parker
Amee Dushyant Patel
Rushil Virendra Patel
Stephen James Pecevich
Guillaume Joe Pegna
Anthony Edward Peters
Jason Edward Phillippi
Ryan Matthew Phillips
Cleveland Alcides Piggott
Pranay Prabhakar
Shreya Prasad
Megan Elizabeth Pruette
Cecil Angad Rambarat
Rachel Leigh Randell
Michael Price Ransone
Vishal Narasinga Rao
Jessica Rein
Jesse David Rhodes
Sarah Chavez Rhodes
Erin Lee Rholl
Joshua D. Richter
Alison Monique Rittenberg
Reid Austin Roberts
Anna Louise Rodenbough
Crystal Lynn Sanchez
Alicia M. Schaffer
Jeffrey Douglas Schmeckpeper
Talia Malka Schwartz
Robert Daniel Sellers IV
Naman Kirit Shah
Nandish Gaurang Shah
Julia Whitley Sheets
Christian Holland Simpson
Nathaniel Allen Slater
Sarah Gregory Smiley
Zachary Haines Smith
Andrew Henican Spangler
Zachary Peter Spiritos
Jacob Newton Stein
Erin Cathleen Steinbach
Kristen Amy Stepp
Sarah Katherine Stoneking
Joshua Allan Thompson
Matthew Tipton
Kathleen Marie Tompkins
Robert Joseph Torphy
Kristina Noelle Tune
Margaret Alice Twomey
Anna Svetkey van der Horst
Sanjay Venkatesh
Nisha Verma
Lauren Alexandra Visser
Alfred A. Viyuoh
Mark Raymond Waddle
Rachel Elizabeth Weiner
Alexandra B. Werner
Hadley Kitchin Wilson
Zenus Joe Wilson
Timothy Brad Wood
Sam Bruce Wu
Fan Ye
Shawn Terrence Yeazell
Theodore Wing Yip

The Eshelman School of Pharmacy

ESTABLISHED 1897

Dean Robert A. Blouin

DOCTOR OF PHARMACY

Safwat Emad Abrahim
Brandon C. Adkins
Christina K. Adler
Valerie Amspacher
Lori Temples Armistead
Matthew M. Aycock
Katherine L. Baker
Mary Fawzy Banoub
Andrew T. Beaty
Kate Ashley Bender
Kristina Gabrielle Blanquiz
Abigail Miller Boehm
Cynthia L. Boulton
Erin Marie Brewer
Tierra Nicole Butler
Joseph M. Cahoon
Lacey Michelle Caldwell
Rebecca Michelle Call
Anne C. Carrington++
Julia L. Carrington++
Michael J. Chargualaf
Juinting Chiang++
Erin Shae Christensen
Lauren Ann Clouse
Heather S. Coleman
Monique R. Conway++
Samuel Ethan Cranford
Sarah F. Creasman
Ryan Christopher Danford
Breonna Davis
Tamara Tynell Davis
Hannah Rae Dills
Lauren Annice DiMartino
Tram Dinh
Richard Lee Duong
Nicholas C. Empey
Stacey Julendia English
William Joseph Erwin
Erin May Escobar-Turingan
Matthew Garret Fischer
James Y. Fok+
Megan Williams Forrest
Kathryn A. Fuller
Megan Jean Gantt
David Michael Garbarz
Bryan J. Gendron
Jay Spencer Goss
Lauren Henderson Gray
Reid W. Griffin
Victoria M. Guidotti++
Courtney A. Guidry
Nicole Watts Harlow
Shawnda Marie Herring
Lauren Deanna Hickman
Robert S. Holcomb
Madison Leann Hooker
Madison Caroline Hoover
Jennifer Leyn Hopper
Jayme Elizabeth Hostetter
Tracy Michelle Hudson
Peter Hur
Melanie Chanel Hurtt
Zola Angelica Isadore
Prashanth Sridhar Iyer
Javeed Jason Jattan
Juliana Helen Jing++
Tracey J. Jordan
Cristina Kaifer
Angela Kashyap
Amanda W. Keeler+
Jia Kim
Courtney Nicole Kimrey
Michele M. Kislan
Pam Ku
Laura E. Kuhns
Mary Kar-Wei La++
Amanda See-Wah Lee
Christy Yeon Lee
Lauren Elizabeth LeRoy
Kira Jane Letvak
Nathan Samuel Levy
Mariana Lucena
Harrison Randall Lyle
Kathleen A. Lynch
Margaret Louise MacMillan
Tegan K. Magsam
James S. Mangum
Courtney Karen Martin
Patricia K. Mashburn
Caitlin G. Matherly
Mary E. McMillan
Jordan Christopher McNair
Molly Elizabeth McNaull
Kimberly Jo Mitchell
Emily Kathryn Monds
Chelsea Nicole Morgan
Aaron J. Mosteller
Kim Hoang Nguyen
Xiao J. Ni
Lauren E. Nienas
Andrew Steven Norman
David Ogbonna Jr.
Christiana Onomeasikele Okoruwa
Susan Louise Painter
Jay Mayur Patel
Vaishaliben Pankaj Patel
Sheryl Elizabeth Payne
Benjamin Thomas Pennell
Mariel C. Pereda
Caroline Pascual Perez
Benjamin D. Perkins
Daniel Phillips
Elizabeth Dawn Poole
Carla Michelle Powers
Steven Puritz
Megan Radigan
Joshua Grant Ransom
Holly V. Rhymes
Stephanie D. Roach
Kaylah Monique Roberson
Johanna Danielle Robertson
Alexis Elaine Rockett
Kayla Mullinax Rutkosky
Kayla D. Sale
Ciel Eden Santos
Nazneen Sayeed
Keith Thomas Schmidt++
Audrey M. Schnell
Caitlyn M. Schwirian
John Benjamin Scott
Alexander Sherman
Kenneth Corey Simmons
Noah S. Simpson
Eric Ryan Sparks
Hilary Jones Steinkamp
Jennifer M. Stewart
Ashley Nicole Stocker
Carolyn Elizabeth Stout
Alan James Stover
Yangzhou Tangzhou
Elizabeth Martin Tevepaugh
Sarah Michelle Timaeus
Richard Huynh Tran
Stacy Saithy Tse
Shane Uris
Marie Waddles
Feng Wang
Long Wang
Kylie M. Weigel
Nicole Lynne Wex
Taylor F. White++
Alison E. Williams
Sara Rose Winters
Tiffany Y. Wong
Susan Marian Woody++
Kristyn E. Yemm

\+ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Honors*

++ *Indicates probable candidates for graduation from the Eshelman School of Pharmacy with Highest Honors*

CANDIDATES *for* GRADUATE *and* PROFESSIONAL GRADUATE DEGREES

May 2015

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

MASTER OF ARTS

Anthropology
Dayuma Albán
Katherine Barrett
Elisabeth Kago Nebie

Art History
Katherine Paige Calvin
Morgan McKeehan
Megan Amalia Okrand
William Clyde Partin III
Joshua Mark Smith

Classics
Katelin Danielle McCullough
Alexandra Dawn Mina

Education
Terrance Burgess
Keri Spivey Feibelman
Yongmei Li

English
Clifford Emery Clark

Exercise and Sport Science
Andrew Hunter Barrett
Hannah Louise Fleishman
Robert Craig Hunter
Stephen James Iannotta
Mark Lee Ketterer
Craig Robert Kleinberg
Jordan Talmadge Lee
Alessa Rae Lennon
Michelle Marie Pebole
Kerry Jean Peterson
Brett Steven Pexa
Brett Lovell Phillips
Emily Marie Quatromoni
Jessica May Rippey
Erica Johanna Roelofs
Joseph Elliott Smaldone
Lindsay McCam Smith
Christina Elizabeth Story
Jaclyn C. Stucker
Eric Trexler
Andrew James Tweedell

Folklore
Kathryn Anne Clune
Sandra Katharine Davidson
Graham Rutledge Hoppe
Alison Jean Kinney

German
Hillary Jane Conkey

History
Lindsay Margaret Holman
Daniel Wish Morgan
Gabriel Walpole Moss
Virginia Carter Olmsted

Linguistics
Laura E. Barnes
Rachel Estelle Broad
Melinda Joy Johnson
Yina Ma

Mass Communication
Jessica Mariah Clark
Kelly Creedon
Kevin W. Delaney
John William FitzGerald
Victoria Louise Fosdal
Tanner Frevert
Kyla Pyne Garrett
Stephanie Sue Lane
Grayson K. Mendenhall
Andrew Joseph Stern
Elizabeth Wiktoria Wilson

Musicology
Catherine Ann Crone
Leah Irene Elliott
Briana Joy Frieda
Joanna Evelyn Helms
Jennifer Palmer Walker

Philosophy
Tamara Mouhammad Fakhoury
Caleb Andrew Harrison
John William Phillips
Lauren H. Townsend

Political Science
Faisal Abdelrahman
Claire Amanda Archer
Jeffrey Ellison Brown
Rachel Lauren Cylus
Kelsey Fraser
Mary Clare Freeman
Esha Kaur Grover
Ashley Wynne Hooper
Lucie House
Amy Marie McMinn
Brendan Jordan Rowell
Nourah Shuaibi
William Blake Smith
Emmett Michael Strickland

Psychology
Jennifer M. Belus
Donte Leshon Bernard
Matthew Josephs Cohen
Kati Lynn Healey
Meghan Elizabeth Jones
Kent Mung-Hao Lee
Jeffrey Jon Olney
Mian Li Ong
Mark Anton Presker
Eleanna Martha Lyman Varangis

Public Policy
Scott Eric Brees

Romance Languages and Literatures
Jordan Maurice Bessette
Sarah Kathleen Booker
Elizabeth Joslyn Fisher
Elizabeth Lavin Forgiel
James Arthur Hayden
Rhiannon Rose Johnson
Elizabeth Jan Smith

Russian and East European Studies
James Nicholas Brennan
Brendan James Daniel
Geysar Gurbanov
Philip Brendan Kiffer
Anna Kirey
Carissa Landes
Aybolek Ovezova
Austin T. Yost
Anna Yudina

Sociology
Michael Willis Leland Dunn
Atiya Fatima Husain
Ricardo David Martinez-Schuldt

Technology and Communication
William Lewis Ammerman
David L. DeFranza
Ben T. Donnelly
Derek W. Hillenbrand
Ashlie Brook White
Jason Harp Whitley
Laura Blake Worthington

MASTER OF CITY AND REGIONAL PLANNING

Melissa Nicole Auton
Nathaniel Thomas Baker
Ryan Luc Boivin
Scott Boone
Alexandra F. Browning
Amy Marie Bullington
Jesse Cohn
Tanner Richard Dudley
Walker McGovney Freer
Michael H. Goralnik
Karina Brigid Grace
Phillip Patrick Hanson
Charla J. Hodges
Christina Nicole Hurley
Aaron Christopher Hursey
Steven Keith
Jasmine Anais Kumalah
Adam Levin
Yun Li
Maryka Denise Lier
Avery Elizabeth Livengood
Yijun Ma
Michelle Alicia Madeley
Keith Kwesi-Amoku Mensah
Melanie Rhiann Morgan
Malcolm Turner Munkittrick IV

Nathan Alex Page
Julio Marcelino Paredes Jr.
Maggie J. Parker
Joshua Penn
Shiyong Qiu
Steven Patrick Reilly
Julianne Lauren Stern
Eric Nathaniel Thomas
Cara Elizabeth Wittekind

MASTER OF FINE ARTS
Peter Francis Barnett
Denise Ann Chukhina
Anna Luisa Delgado
Colleen Faulling Dobson
Beckett Michael Finn
Mijoo Kim
Kathryn Elizabeth Mixon
Naomi Elizabeth O'Donnell
Eric Allen Pickersgill
Shane Charles Smith
Sydney Lynn Steen
Allison Grace Tierney
Amy Carolyn White
Gesche Wurfel
James W. Zervas

MASTER OF SCIENCE

Biology
Julia Marysia Olszewski

Biomedical Engineering
Matthew Andrus
Bryan Michael Kirsh
Bryant Tai Wu

Biostatistics
Anthony Shawn Abrantes
Carolina Alvarez
Nicolas Marcelo Ballarini
Ananta Shrikant Bangdiwala
William Valentine Boquist
Andrew James Garrison
Avner Halevy
Rachael G. Heineman
Sarah Julia Marks
Christel N. Rushing
Bradley Saul
Amanda Lucille Tapia
Eric Daniel Van Buren
Scott Karl Van Buren
Chih-Da Wu
Jiaqi Xiao
Jieni Xu
Yunshu Zhou
Anqi Zhu

Business Administration
Kevin Anthony Miceli

Computer Science
Piyush Aggarwal
Sarah Jameel Andrabi
Andrew Phillip Best
Christopher Wilber Bradfield
Lu Chen
Andrew Chi
Brian John Cristante
Robert John Dallara
Giuseppe Di Natale
Clinton William Freeman
Rohit Kumar Gupta
Letao Jiang
Daniel Louis Jones
Jonathan Schuyler Kylstra
Robert John Lewis
Niti Jeevan Madhugiri
David Lee Marron
Kyle Lewis Miller
Joshua Jay Monson
Christian F. Orellana Cuevas
James True Price
Jordan Shay Reese
Gautam Sanka
Johannes Lutz Schoenberger
Yichen Song
Bryan Charles Ward
Hongsheng Yang
Kecheng Yang
Jiangbo Yin
Tianrong Zhang
Zhaoxi Zhang
Duo Zhao
Xin Zhao

Dental Hygiene Education
Li Chen

Economics
Katherine Lynn Easom
Matthew Paul Forsstrom
Ran He
Ken Jom Ho
Tyler Joseph Howard
Baiyang Huang
Marcela Veronica Parada Contzen
Nilay Unsal
Jing Zhou

Endodontics
Melita Islambasic
Elena V. Kan
Bryan Mark Mitchell

Environmental Sciences and Engineering
Scott Boone
Andrew Ethan Yosim

Geological Sciences
James Lancaster Bridgeman

Marine Sciences
Adrienne Leigh Hoarfrost
Kellen Christine Lauer

Mathematics
Taylor Franklin Allison
Francesca Bernardi
Catherine Maria Hsu
Caitlin Suzanne Hult
Lindsey M. Scoppetta
Alexis Marie Sparko
Duo Zhao

Materials Science
Marci Lynn Potuzko
Sabrina Sultana

Nutrition
Liyang Zhao

Occupational Therapy
Kailani Balageo Talton

Operative Dentistry
Upoma Guha
Vilhelm Gretar Olafsson
Clayton Thomas Rau

Oral and Maxillofacial Pathology
Tiffany Marie Peters

Oral and Maxillofacial Radiology
Jacob Dunn
Laurence Rossman Gaalaas
Robert John Timothy

Oral Biology
Yi Yuan

Orthodontics
Tanya Al-Talib
Matthew William Brown
Thomas Richmond Covington
Camille Guez
Heather M. Hendricks
Jason Matthew Scherer

Pathology
Justine Nicole Monk

Pediatric Dentistry
Alexandra A. Boudreau
Kevin Shaun Ricker

Periodontology
Acela Alejandra Martinez Luna

Pharmaceutical Sciences
Elizabeth Teresa Hess
Jami Elizabeth Mann
Daniel Patrick O'Neil
James Paarlberg
Grayson Kenneth Peek
Joanna Marie Robinson
Halena Leah Sautman

Physics
Christopher Charles Frazer

Prosthodontics
Mark England Ludlow
Nicole Dominique Luedin
William Patrick Scruggs

Rehabilitation Counseling and Psychology
Megan Elizabeth Barnhill-Downey
Alyse Janelle Bone
Sharyn Marie Button
Sarah Elizabeth Cohen
Emily Ward Compton
Christy Covington
Jessica Ryan Cuttance
Hilary Anne Fogle
Michael Anthony Galobardi
Eden Patience Garner
Kristina Evangeline Gauldfeldt
Chelsea Ann Gettle
Casie Lorraine Hall
Brianna Nicole Herold
Seungeun Lee
Brittany Megan Lindsay
Jonathon Craig Marshall
Diann Marie Matthews
Scott Gilbert Ravyts
Molly Elizabeth Schweers
Hilary Fogle Shafto
Shaun Patrick Thomas

Speech and Hearing Sciences
Frances Darlene Albanese
Melanie Annis
Priscila Arellano Zameza
Christine Ann Augliera

Brian Joseph Bacchi
Alexandra Louise Ballard
Kaylee Chantel Brue
Victoria Leigh Bunting
Ann Marie Carroll
Rebecca Lynn Carroll
Stephanie Jo Carruthers
Robert Benjamin Cavanaugh
Larissa Ivanna Chiappetta
Nicole Diana Coughlin
Megan Elisabeth DeMaria
Ashley Nicole Dill
Abaries Ariana Farhad
Lucia Lopes Fischer
Margaret Amelia Fitch
Jonathan L. Jolivette
Rebecca Lynn Lyczkowski
Kristen A. Lynch
Susan Mason
Jamie Elizabeth McGee
Petros Pravasilis
Rachel Ann Rhyne
Molly Elizabeth Spears
Denisc C. Strickland
Ashley Marie Taylor
Soabah Wasim

Statistics and Operations Research
Jianhong Chen
Bryan Gilbert Davis
Siyun Pan
Minshi Tan
Mengwen Tang
Lufangxin Zhao

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF ACCOUNTING
Michael J. Abbott
Eric D. Albright
Omar Yahya Alsaidi
Kathrynne Paige Anna
Kelvin Michael Anthony
Matthew Grant Baber
Brittney Diane Barbosa
Rolland John Barrett
David Coates Barton
Channing B. Bass
James State Lee Baynard
James Benz
Alison I. Bilderback
Jarryd Dalton Blaetz
Jeffrey Scott Bouton
Austin Lee Bradyhouse
Michael Braxton
Nathan Breidenbach
Jeremy Patton Brown
Quinton P. Burks
Veronica Lauren Butler
Naian Chang
Ciera Marie Combs
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MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

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May 2015

The College of Arts and Sciences

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Ashleigh Smith
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Kameron Marilyn Spence
Sarah Spurr
Mahati Sridhar+
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Bryant Braswell Teal II*
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The School of Dentistry

ESTABLISHED 1949
Dean Jane A. Weintraub

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Thaina Maitte Quiles
Kaitlyn Mary Raitano
Kenny Rodriguez*
Lauren Elizabeth Sanders
Sara Elizabeth Sebastian*
Shahab Siahpoosh
Alexandra Grace Smithdeal
Crystal Lynn Walczak
Alyssa Catherine Williams
Jaehee Yoo*

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

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Christina Renee Adcock
Kelly Jina Ahn
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Kimberly Christian-Ashley Clark
Mary Hannah Cline
Emily Connelly
Emily Shane Connor
Laura Elizabeth Daves
Sydney Rae Dawson*
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Katherine Nancy Franchi
Dominick Glavich
Rachel C. Goley*+
Hayli C. Gurganus
Jessica Nicole Hare
Taylor Hedrick*
Mary Elizabeth Herfurth*
Katherine G. Hieronymus
Marrisa Nicole Higginbotham*
Clare McCamy Houk*
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Ashtyn L. Kepley
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Haniah Lerner*
Margaret Lee Lombardo*
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Taylor Nicole Mathis
Morgan May*+
Kaylah Adrienne McGruder
Jamie Lynn McGuinn*
Danielle Marie Moloney*
Selma F. Neel*
Meghan N. Patterson*
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Amanda Michelle Radford
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Olivia Ella Van Horn
Hillary Blair Wall*+
Stephanie Anne Wardman
Anna Helena Ziegenhals Wirzba*
Logan Ashley Woodell
Megan ElizabethWright*
Megan Michelle Yeargin*

The School of Information and Library Science

ESTABLISHED 1931

Dean Gary Marchionini

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Sarah Jasmin Gabr
Heather A. Gunter*
Matthew S. Hasselberg*
Christopher James Hendel
Eliza Marion Hinkes*+
Addison Quinn Honeycutt
Whitney Nicole Jenkins
Hyun Seo Albert Kang
Krista Marie Katzenmeyer*
Noog Nkauj Cherish Khang
Brittney L. King
Emily E. Larkin
Tae Kyung Lee*
Hayley Caroline Linton*
Mary Elisabeth Livingston*
Vincent Graham Lombardi*
Brian Michael Lynch
Austin Christopher Mathews*
Giselle Claire Montgomery
James Andrew Moore Jr.
Corrin Elois Morgan
Krista L. Morgan
Hunter Ryan Ocheltree
Nauman Nasruddin Panjwani
John Samuel Rusnak
Natasha Solomon*
Kevin Michael Spellman Jr.
Laura Elizabeth Stanley
Lincoln Andre Sward
Jeanne Marie Ching Tan
Zimeng Wang
Devon Michelle Williams
Jessica Danielle Wingler
Angela Renee Zhou
Brian Victor Zimorowicz

The School of Journalism and Mass Communication

ESTABLISHED 1924

Dean Susan Robinson King

BACHELOR OF ARTS IN BUSINESS JOURNALISM

Kathryn Alexandra Auten
Dree Elizabeth Deacon
Jonathan Andrew Groth
Jeffrey Herbert Kagan
Pooja Prasad Kodavanti*
Frances Wesley Mangan
Italia Suzanne Marr*
Michael Z. Newbauer
Anu Pandya
Jeffrey Scott Sewell
Jennifer E. Surane

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION

Daniel Ethan Abrams
Cheryl AbuMoussa
Alexandra Catherine Adams*
Alanna Katherine Albrecht
Amanda Kay Albright
Carson Paige Allen
Claudia Lauren Amand*
Ashley Lynne Anderson
Kendall Tijuana Atkins
Rachel Jean Atwood
Jacob Goodall Bailey
Jordan Marie Bailey*
Kristina Caitlin Ball*
Elizabeth Ann Bartholf*
Nicole Alise Beatty
Devin Marie Beauchamp
Kendra Lee Benner*++
Aren Simon Besson
Jessica Leigh Best
Max Washburn Bitar
Sequaia Nicole Lanise Bivens
Ellen Elizabeth Black
Susanna Catherine Black
Christina Halligan Boodee
Addison Layman Bortz
Anastasia Noelle Bowden
Francesca Anne Braaten*
Leigh Janine Browder
Sarah Brown*
Tyler Marcus Bryant
Jordan Jeneva Budget
Mary Frances Buoyer
Peyton Elizabeth Burgess
Mary Burke
Emily Rae Byrd*
Leslie A. Carlucci
Sara Catherine Carter
Megan McSweeney Cassella*
Ashley Michelle Casson
Jessica Lynn Castro-Rappl*
Kelsea Marie Chapman
Sarah Chatham
Leeann Chen*
Erin Rese Chorpening
Taylor Lauren Chronis*
Louisa Carolyn Clark++
Maegan M. Clawges*
Louise Mann Clement
McKenzie Lorine Coey
Christopher Andrew Conway
Jonathan P. Conway*
Cameron E. Cook
Nancy M. Copeland
Shannon Abigail Coy*++
Elizabeth L. Crampton
Rawley Ann Crews*
Sarah Katherine Cronin
Lucy Quinn Cross
Brenna Lynn Cukier
Cobey M. Culton
Meghan Jane Cunningham
Niland Lee Daly
Rachel Lynn Daniel
Kathleen Etheridge Davidson
Victor Manuel De La Cruz
Augusta Claire DeKemper
Sarah J. Delk
Alexandra Elizabeth Dempsey
Jennifer Kristel Denning
Sarah Deweese
Hallie E. Deyton
Gabrielle Joy Diepenbrock*
Marisa Noel DiNovis
Aaron Alexander Dodson

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Kathleen Elizabeth Doyle*
Jennifer Catherine Drabble*
Peyton Vahey Dunlap
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Brooke Nicole Eller*
Mary Elizabeth Entwistle*
Sylvia Maria Estrada
Matthew Robert Evangelisto*
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Lianne Farber
Olivia Anne Farley*
Harlie Howard Farrell*
Mary Alta Feddeman
Emily Lynn Fedewa
Katherine Ferguson
Leslie Alexandra Finch
Laura Fisher*
Austin Byrd Flye
Anderson Tate Frazier
Brian John Elliott Freskos++
Cheney Behrens Gardner*
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Anne Lanier Gilbert
Margaret E. Glanton
Kaitlyn Virginia Goforth*
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Carly Marie Griffin
George Brian Griffin
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Rene Gupta
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Yasamin Haghshenas
Allison Margaret Haines
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Emily Grace Hobbs
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Elizabeth Ruth Johnson
Morgan Leigh Johnson
Rachel Elizabeth Jones
Alexis B. Jordan+
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Jessica Blaine Kambic
Alexandra Stanislavna Kanarski
Lauren Elizabeth Kangas
Sarah Watkins Kearney
Kaitlyn Ashlee Kelly*
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Mackenzie Catherine Kline
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Hrisanthi Kroi
Karl Alexander Lahr
Margo Lanier
Chaney A. Lareau
Nicholas Latman
Anne Houston LeHardy
Emily Scott Leidolf+
Caroline H. Leland*
Nicole Katherine Leonard*++
Mark H. Lihn
Jessica Lynne Lindberg
Sarah Forbes Lindner
Rebecca Lineberry
Cassandra Anne Ling
Daniel U. Lockwood
Kegan Zane Lowe
Kara Marie Lysle
Kelsey Elizabeth Mace
Amanda Myra Malloy*
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Emma Ramona Pardue
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Traianne Jenay Peek
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The School of Medicine

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The School of Nursing

ESTABLISHED 1950
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Lindsay Elizabeth Cannon*
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Ryan Haushalter*
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Matthew Gibson Marvell
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Jennifer Ashley Powell
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Morgan Elizabeth Powell
Keoyona Latisha Ray
Kimyona LaToya Ray
Caroline Shackelford Reid*++
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Edwin Junior Rodriguez
Piper Lyn Rogers
Derek Oliver Ross*
Sarah Elizabeth Sandlin*
Stephanie Saturne*+
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Charles Paul Sessoms
Hayley Walker Shelton
Tamara Joy Sidorov*
Amanda Smith*
William Harold Smith*
Lauren Catherine Somloi*
Morgan Elizabeth Springer
Kelsey Meredith Suggs*
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Katherine Marie Terry*
David Michael Theurer*
Rachel L. Timberlake+
John Treece*
Aruodo Chidinma Ukpai
Judith Robin Underwood
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Alyssa R. Wadding*
Heidi Wait*
Alison Ashworth Walker
Stacy Bell Watford*
Susan Rachel Way*

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\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

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Julia Katherine Winslow
Benjamin Michael Woody*
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Jeena An Yoo*
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Molly Sage Zaslow*
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The Eshelman School of Pharmacy

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BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES

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Chandler Quintessence Gurley
Kasey Lynne Hamrick
Sandra G. Hanna
Matthew David Hollifield
Edith Min Huang
Bryan David Huffstetler
Mariah Kendall Justice
Hope A. Kpa
Zachary Aaron Kritzer
Rachel Catherine LaBianca
Andrew Lee
Holly Chen Lien
Ivy Lio
Caleb Redfern Little
Wenli Liu
Meghan Courtlin Maples
Jacob Dale Maready
Thomas Vann McDowell
Erin Kathleen Miller
Juhi S. Patel
Juhin Patel
Natalie Fletcher Pearce
Megan Leigh Sell
Megan Devendra Shah
Lauren Caroline Shelmerdine
Tara Selin Spencer
Leslie M. Walters
Lydia Wang
Emily Grace Yarborough
Weilin Zou

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALT H

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Jubayer Ahmed++
Julia Stephanie Allcott*
Helena Irene Archer*
Dia Janay Barber
Justin Michael Barnes*++
Brian Keith Beaman*
Taylor Michelle Bogart*
Zineb Sofia Bouzoubaa
Glenn Patrick Boyles*
Natalie Nicole Broadway*
Emily Grace Brozowski*
Spencer Coleman Budd*
Ashley Lent Cairns*
Laura Emily Canosa*
Caroline A. Carrasco*
Emily Rose Cerciello*
Jennifer C. Chai*
Guneet Kaur Chawla*
James Tillman Cockerham*
James Michael Cristiano*
Adam Christopher Danley*
Christopher Jack Dunlevy++
Kerry E. Dutra*+
Mohamed El Tilib
Luma Essaid*++
Danielle Joan Fishman*
Cori E. Floyd
Zaharaddeen Lawal Garba
Shivani Garg
Amber Gautam*
Radhika Haresh Ghodasara*
Jeremy W. Godsell*
Garrison Gray Gordon*
Jordan Ashley Hughes*
Erin Elizabeth Isenberg*
Safiyah Munzer Ismail
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Ashley E. Jones*
Allyse Jorgensen
Erica Kakarlamudi
Andrew Bonwook Koo*
Amanda Kramer*++
Matthew Hyun Yong Lee
Maili F. Lim*++
Kaitlyn Rose Lohrei*++
Rebekah E. Love*
Lauren Glynna MacDowell*
Grace M. Marshall
Rodrigo Gerardo Martinez
Youssef Radhouan Masmoudi
Sarah Marie McCauley*+
Dana Alexander McDonald*
Mary Michael McDuff*
Ashley Ann McGee*
Charmee H. Mehta*
Simon Avi Menaker*
Sloane Kathryn Miller*
Katelyn Riley Montgomery*
Camille E. Morgan*++
Jessica Dory Myers*
Andrew Nguyen
Hieu Bui Nguyen*++
Rani Patel
Sapna S. Patel*
Mary Elizabeth Peeler*
April Peterson*
Daniela Carolina Pimentel*
Valencia M. Quiett*
Hannah Randles*
Brianna Ratte
Simone Nicole Reaves*++
Kelly Anne Reed*
Kristen E. Rhodin*
Bret William Robinson*++
David William Ross
Jasmine Marie Ruddy
Pooja Tanya Saha*
Yasamin E. Sanii*
Eric B. Schafer*++
Maximillian Peter Montgomery Seunik*+
Jessica Marie Simmons-Josilevich
Ryan A. Smith
Jonathan Alexander Solares
Jenny Sun*++
Taylor Anne Swankie
Ian Michael Tanguy*
Randi Jai Monique Towns*
Nikhil Umesh*
Neha Verma*++
Jacqueline Grace Wallace*
Shanshan Wang*++
Patrick Wiginton*
Min Yang*
Ting-Iu Yeh*
Nathan August Ziegler
Alexa Jeanne Zoellner*++

Candidates Commissioned in the Armed Forces

MAY 2015

UNITED STATES AIR FORCE SECOND LIEUTENANT

David K. Brown
Bill M. Collette
Cheyna B. Elliott
Jared H. Frederick
Nolan P. Kirkwood
Carol A. Knight
Kyle A. Leggett
Patrick D. Livingston
Jerrod L. Powers
Hadriane Preston
Michael P. Strawser

UNITED STATES ARMY SECOND LIEUTENANT

John B. Dameron
Gina S. Deihl
Kenji B. Goodwin
Robert C. Graziano
Justin G. Hale
Stuart A. Hamm
Tyler S. Miranda
Justin T. Perez
Daniel R. Place
Lawrence C. Rust
Kendrick J. Sawyers
Lauren M. Stephenson

UNITED STATES MARINE CORPS SECOND LIEUTENANT

Lonnie Wayne Carraway
Evan Mathias Gumbel
Ashley Renae Ross

UNITED STATES NAVAL ENSIGN

Kathleen Craven Canny
Frank James Chavez
Ethan Aron Jarrell

CANDIDATES *for* CERTIFICATES

May 2015

Undergraduate Certificates

The School of Dentistry
ESTABLISHED 1949
Dean Jane A. Weintraub

CERTIFICATE IN DENTAL HYGIENE
Larsen Jayan Agee
Ryan Danielle Cecil
Danielle Santos Costa
Pejman Dehghani
Madison Alyssa Herndon
Hannah Haesun Kim
Leighann Scheetz
Meri Ashlen Wynne

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN COMMUNITY PREPAREDNESS AND DISASTER MANAGEMENT
Roberto John Bartoli Jr.
Jennifer Blomberg
Daniel Franklyn Glazier
Nicholas Ruller
Nicholas Ruller

Postbaccalaureate Certificates

The School of Journalism and Mass Communication
ESTABLISHED 1924
Dean Susan Robinson King

POSTBACCALAUREATE CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Nicolette Diane DeGroot
Jessicah Carol Hegeman
Ann Elizabeth Panaro
Lauren Brooks Parker
Megan Kathleen Robb
Ana R. Thillet
Kathryn Marie Turner
Natalie Marie Vizuete
Jessica Brittany Wilson

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

POSTBACCALAUREATE CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Celeste Tokia Crowe
Anna Marie Hoffmeyer
Catherine Rose Philpot
Jordan Lee Rapp
Hannah Elizabeth Willmott

POSTBACCALAUREATE CERTIFICATE IN OCCUPATIONAL HEALTH NURSING SPECIALTY
Hannah Byun
Natasha Renee Collins

POSTBACCALAUREATE CERTIFICATE IN PUBLIC HEALTH LEADERSHIP
Ryan John Chaffee
Chelsea Gailey
Nicholas Charles Haigh
Lisa Ann Hann
Elizabeth Lindsey Helm
Tran Thi Quynh Hoang
Cassey Nicole Mapp
Sarah Juhl McGee
Neda R. Padilla
Elizabeth Albergotti Stacks
David Robert Steeb
Hollie Storie
Brittany Michelle White

MEDALS, PRIZES *and* AWARDS

May 2015

Student Activities Awards

CHANCELLOR'S AWARDS

The Ernest H. Abernethy Prize in Student Publication Work
Jennifer Elizabeth Surane

The Eben Alexander Prize in Greek
Nicole Grace Curtis

The Undergraduate Prize in Art History
Sarah Lee Molina

The Peter C. Baxter Memorial Prize in American Studies
Abigail Banner Cooksey

The Bernard Boyd Memorial Prize
Wilson Greene IV

The Camões Prize in Portuguese
Alex Justin Nusbickel

The James O. Cansler Service Award
Shamira Lukomwa

The Cornelius O. Cathey Award
Angel Hannah Washington

The Chi Omega Award for Scholarship and Leadership
Aleksander Huryn Seymore

The Class of 1938 Joseph F. Patterson Jr. and Alice M. Patterson International Leadership Award
Aisha Anwar

The Albert and Gladys Hall Coates Award
Austin John Root

The George H. Cocolas Pharmacy Student Body Award
Stacy Saithy Tse

The Josephus Daniels Scholarship Medal
Lonnie Wayne Carraway

The Roger A. Davis Memorial Award
Jessica Caitlin Porter

The Paul Debreczeny Prize in Slavic Languages and Literatures
Jasmine Lee Trinks

The Patrick F. Earey Award
Meredith Grace Mock

The Undergraduate Prize in Economics
Clayton Scott Hackney

The Marc Adam Eisdorfer Award in Linguistics
Amaya O. Madden

The Edward Kidder Graham Award
Clyde Mangum III

The Frank Porter Graham Award
Blanche Ameilia Sherwood Brown

The Jane Craige Gray Memorial Award
Diana Dayal

The Greek Alliance Council Award
Priyanka S. Mehta

The Boka W. Hadzija Award
Kiran Marie Bhardwaj

The I. R. Hagadorn Award
Blake Marie Hauser

The Jacques Hardré Undergraduate Award for Excellence in French
Abigail M. Dennison

The Edward McGowan Hedgpeth Award
Natalie Nicole Broadway
Sarah Dong Chen

The Archibald Henderson Mathematics Medal
Anya Ellen Katsevich

The George Moses Horton Award for Multicultural Leadership
Carla Isabel Salas

The Robert B. House Distinguished Service Award
Patrick Mateer

The Robert B. House Memorial Prize in Poetry
Coco Nell Wilder

The Interfraternity Council Man of the Year Award
Kenan Lee Drum

The E. Eugene Jackson Award
Katrina Louise Hauprich

The James M. Johnston Distinguished Senior Award in the Undergraduate Program
Lily Ruth Broming

The James M. Johnston Distinguished Senior Award in the Nursing Program
Emily Catherine Morgan

The Alexander Julian Prize
Diego C. Camposeco

The Brenda W. Kirby Award
William Henry Harrison Chapman

The Mary Turner Lane Award in Women's and Gender Studies
Rebecca Marie Mitchell

The Irene F. Lee Award
Chelsea Kay Barnes

The Robert White Linker Award
Chuchitra Thanigaivasan

The Class of 1956 Livas Award
Claire Vita Clement

The Ernest L. Mackie Award
Rodney Oscar Anderson

The Willie P. Mangum Medal in Oratory
Isaac Maynard Warshauer

The George C. Marshall Award
Tyler Scott Miranda

The McNally Award for Excellence in Geography
Ellen Corbitt Currin

The National Pan-Hellenic Council Award
Alyssa Victoria Townsend

The Howard W. Odum Undergraduate Sociology Award
Aura Victoria Castillo
Ashelee Yue Yang

The Panhellenic Council Woman of the Year Award
Emily Margaret Beaty

The John Johnston Parker Jr. Medal for Unique Leadership in Student Government
Nikita Shamdasani

The Wallace Ray Peppers Award in Performance of African and African American Literature
Karen Ashley Winkfield

The L. Richardson Preyer Award for Excellence in Political Science
Samantha Jean Hovaniec

The Kenneth C. Royall Award
Kyle Ashley Leggett

The Louis D. Rubin Jr. Prize in Creative Writing
Blayne Brooks Telling

The J. Maryon Saunders Award
South Alexander Moore

The Sessoms-Meyer Excellence in Recreation Administration Award
Michael Anthony Diaz

The Paul E. Shearin Outstanding Senior Award in Physics
Cora Margaret Went

The Hampton Shuping Prize
Andrew Jonathan Wood

The Earl Slocum Band Award
Bobby Glenn Warren

The Keith Shawn Smith Award for Community Development and Mentorship
Deanna Zhong

The Walter S. Spearman Award
William Matthew Collette

The Sport Clubs Council Achievement Award
Camille Elyse Morgan

The Ria Stambaugh Undergraduate Award for Excellence in German
Mary-Grayson Brook

The Sterling A. Stoudemire Award for Excellence in Spanish
Jessica Leigh Maldonado

The Algernon Sydney Sullivan Award
Michael Strawser
Jessica Grace Cabrera

The Albert Suskin Prize in Latin
Kristina Wendi Cheung

The Jim Tatum Memorial Award
Thomas Benton Moss

The Ferebee Taylor Award
Raquel Dominguez

The Op White Prize in Geology
Sarah Whiting Cooley

The Worth Award
Olivia Leigh Branscum

STUDENT ORGANIZATION AWARDS

Carolina Center for Public Service

APPLES Undergraduate Excellence Award
Reena Gupta

Buckley Public Service Scholars
Cassandra Addamo
Hussein Ahmad
Hannah Allison
Danielle Allyn
Alexandra Lee Aponte
Maura Jeannette Ashton
Imani Maya Augustus
Franck Herve Azobou Tonleu
Charity Azorlibu
Tianna Shari Barnes
Nicole Alise Beatty
Maegan Courtney Becker
Kersey Begany
Connor Moss Belson
Kendra Lee Benner
Adriann Nicole Bennett
William Cannon Bennett
Sanjana Bhat
Cody Alexander Blanton
Erica Roschelle Bluford
Taylor Bogart
Ioan Bolohan
Aditi Borde
Kathleen Elisabeth Borden
Kane Walker Borders
Monica A. Bourommavong
Zineb Sofia Bouzoubaa
Natalie Nicole Broadway
Kent Russell Brouwer
Kaylah Elizabeth Brown
Melissa Anne Brown
Sarah Melinda Browning
Erica Brownlow
Hannah Kate Bucchin
Jordan Jeneva Budget
Jenny Tuyet Nhi Bui
Shakeia Burgin
Emily Buzhardt
Jessica Grace Cabrera
Ashley Lent Cairns
Avery Elizabeth Calhoun
David Emerson Ward Cardoso
Christin Marsha Carpenter
Jessica Carol Carter
Peter Lewis Carter
Cameron Marie Casey
Emily R. Cerciello
Kristen Leigh Chambers
Timarie L. Chan
Tammy Chen
Christina Cheng
Alexandra Chir
Frances Elizabeth Chung
Celia Price Clark
Louise Mann Clement
Casey R. Collins
Becca Nichelle Conary
Lauren Hope Conder
Joseph Cottingham
Eleanor Crane
Stephanie Isobel Crawford
Casey Lynn Crow
LaCorey Dashawn Cunningham
Khristian Jordan Curry
Samantha Daily
Nisha Datta
Ciara Michelle Davis Augusto
Dylane' Nishelle Davis
Katherine Marie Davis
Joseph Akl Dayaa
Abigail Dennison
Tashana M. Detwiler
Natalie Treadwell Deuitch
Calvary Diggs
Nicholas William Dillon
Gihani Dissanayake
Mackenzie Alexandra Dolan
Raquel Dominguez
Cayce Elizabeth Dorrier
Cameron Allison DuBois
Alexis Nicole Duckett
Megan Eliza Eaker
Sarah Elizabeth Efird
Joshua Shaw Ellis
Temitope Elutilo-Ayoola
Mary Elizabeth Entwistle
Mary Margaret Everist
Frederick Isaac Ferguson
Taylor Noel Fish
Kaitlin Elizabeth Floyd
Dakota Anne Foard
Camden John Francis
Alexander Brady Frankfort
Amanda Renea Gaffey
Alejandra Galindo
Sarvani Gandhavadi
Deen L. Garba
Brooke Gardner
Cheney Behrens Gardner
Amber Gautam
Daniel Bower Gehle
Rachel Caruthers Gentry
Peyton George
Winston George
Victoria Ghahhari
Radhika Ghodasara
Laura Mary Gilland
Nitin Goel
Sarah Golan
Corinne Celeste Goudreault
Sarah Holland Grady
Michelle Jane Graziosi
Ronnell DeAnna Green
Matthew Guan
Reena Gupta
Hana Khalil Haidar
Zakeria Anwar Haidary
Laura Jean Hanson
Sarah Lynn Hanson
Lynslei Jacquete Harris
Tasia S. Harris
Steven Hartman
Katrina Louise Hauprich
Catherine Haviland
Wilson Whitford Hayman
Danielle Cynthia Lodestro Helgans
Stephanie Mae Hess
Autumn Leigh Hester
Isabella Carolyn Aida Higgins
Jennifer Hiteshew
Wesley Calvin Hodgin
Brittany Monique Hollis
Hannah Fields Hollon
Daron Holman
Lindsey Noel Hooker
Austen Hughes
Megan Alexandra Anne Hunstad
Paola Isaac Ilustre Ibe
Charlotte Jackson
Karina Javalkar
Morgan Taylor Jeffreys
India Nicole Jenkins
Hannah Noel Jessen
Aaron Garth Johnson
Elizabeth Johnson
Justin Brett Jones
Katherine Elizabeth Jordan
Ryan Andrew Joyce
Zachary Ruben Kaplan
Krista Katzenmeyer
Janet Adeola Korede Keku
Brittney Lauren King
Madeline Kirby
Shannon Casey Kirchmer
Carol Ann Knight
Ishna Koul
Sonya Roosa Kowalczyk
Amanda Josephine Kramer
Skylar La Torre-Couch
Catherine Ruth La Chapelle
Sarah Elizabeth Lamb
Andrea Elizabeth Lambert
Bridget Catherine Larman
Margaret Latta
Sarah Lauffer
Katrina Lawrence
Matthew Hyun Yong Lee
Caroline Hall Leland
Brendan Mark Leonard
Kathryn Noelle Leonard
Haniah Lerner
Griffin Frederick Lerner
Erika Nicole Joyce Lessane
Ellen Katherine Lesser
Maili Frances Lim
Travis Alexander Linton
Melanie Paige Lockamon
Sallie Katherine Lucas
Julia Nora Lukacs
Sarah MacLean
Allie Madonia
Amber Majors
Alice Martin
Patrick Thomas Mateer
Cassidy Maxwell
Sarah McCauley
Samantha Gayle McCormick
Carter Del McCormick
Jennifer Lynn McCosby
Raleigh Langley McCoy
Kimberly Nichelle McCullough
Sarah McCullough
Kiyah McDermid
Bridie McDonough
Jennell McIntosh
Sabrina McManus
Emmanuella Ofori Mensah
Sarah Elizabeth Menz
Sara Carole Tonda Miles
Shilpi Misra
Danielle Marie Moloney
Christopher Mook
South A. Moore
Rosa Maria Munoz Aldape
Preetha Naidu
Rizul Naithani
Mitchell Garrison Nash
FahimNasim
Walid Nasim
Andrew Nguyen
Nastassja Ortiz
Dennise Osei-Bonsu
Jennifer Owenby
Sotires Anagnosti Pagiavlas
Nauman Nasruddin Panjwani
Amish Deepak Parikh
Paul Wilson Parker
Timothy James Parsons

* *Chancellor's Award*

Rani Patel
Kunal Shanat Patel
Shyam Rajendra Patel
Dominique Yvonne Priscilla Pearson
Meghan Peddycord
Sarah Pederson
Mary Elizabeth Peeler
Leslie Raffety Pence
Olivia Perry
Alexander Poal Piasecki
Daniela Carolina Pimentel
Jasmine Nichole Plott
Victoria Paige Plybon
Kara Laura Podraza
Kelly Anne Pope
Claire Porter
Lauren Elizabeth Pritchard
Ruhi Rahman
Elizabeth Raines
Anna Kemper Ramsey
Angelica Rankins
Brianna Kathleen Ratte
Kristina Alexis Redd
Raerani Reddy
Meredith Anne Richard
Caitlin Riley
Hannah Jean Robinson
Camille Romac-Gullo
Tyler JaNay Rouse
Emily Ruffin
Courtney Sanders
Katie Charlene Savage
Caley Scheppegrell
Sophia Maria Vaporis Schermerhorn
Gabrielle Scott
Amanda Sergesketter
Maximillian P. M. Seunik
Aleksander Huryn Seymore
Paige Sferrazza
Anand J. Shah
Sonia P. Shah
Heather Ann Shelton
Landon Sherwood
Kaitlin Shinn
Erin Shumate
Meredith Frances Shutt
Jasmin Singh
Jassmin Ilyssia Smith
Ryan Alan Smith
Ellis Sojourner
Ayat Rafiq Soufan
Sarah Spaltenstein
Shannon Nichole Spillane
Priya Savithri Sreenivasan
Chloe Lorelle Stephenson
Olivia Van Stevens
Michael Paul Strawser
Hillary Rose Stroud
Rebekah Ann Sturgess
Ramy Sugg
Tara Nicole Summerville
Lauren Elizabeth Sutton
Andrea Tam
Rachel-Kaylah Marie-Antwanette Tates
Melissa Tebaldi
Chuchitra Thanigaivasan
Sarah Glenn Thompson
Randi Towns
Alyssa Victoria Townsend
Veronica Trujillo-Cuadrado
Madelyn Nicole Usher
Osvelia Valverde
Alissa Kathryn Vanderlinden
Alyssa Vassallo
Paris Vaughn
Neha Verma
AnhThu Dang Vuong
Sara Beth Wachtman
Sarah Kathryn Ward
Stephanie Anne Wardman
Asma Manwar Warrich
Alexandra Welsh
Shannon Rebecca Wheeler
Alexis Danielle White
Nakiya Tashii Whitfield
Julia Danielle Elizabeth Whitley
Collin L. Williams
Courtney Ciara Williams
Molly Williams
Elizabeth Gray Williard
Terry Yum-Lung Wong
Frank Ke-Fan Wu
Ziyou Wu
Brenna Renee Yellin
Jaehee Yoo
Emma Rose Zarriello
Anna Ga-Wai Zeng
Yue Zhang
Fareeda M. Zikry
Jamison A. Zink
Caroline Kelly Zullo

Davis Projects for Peace Award
Nicole Nansamba Fauster
Layla Khalid Quran

Robert E. Bryan Public Service Award
Hana K. Haidar

Ronald W. Hyatt Rotary Public Service Award
Madelyn N. Usher

The Dialectic and Philanthropic Societies

*The Willie P. Mangum Medal in Oratory**
Isaac Maynard Warshauer

Fraternity and Sorority Life

*The Greek Alliance Council Award**
Priyanka S. Mehta

*The Interfraternity Council Man of the Year Award**
Kenan Lee Drum

*The National Pan-Hellenic Council Award**
Alyssa Victoria Townsend

*The Panhellenic Council Woman of the Year Award**
Emily Margaret Beaty

Office for Undergraduate Research

Carolina Research Scholars
Ashley Albright
Noam Argov
Alexandra Artes-Roy
Tianna Barnes
Mauricio Barreto
Cenk Baykal
Connor Belson
Sanjana Bhat
Anuradha Bhowmik
Emily Buzhardt
Andrew Cabaniss
Emily Cerciello
Casey Crow
Emily Davidson
Nia Davis
Brian Davis
Natalie Deuitch
Jessica Dewolf
Calvary Diggs
Laura Doherty
Cayce Dorrier
Temitope Elutilo-Ayoola
Danielle Enrique
Deen Garba
Amber Gautam
Tsion Ghedamu
Niraj Gowda
Meredith Griffin
Reena Gupta
Kathryn Gutt
Hana Haidar
Steven Hartman
Sarah Hinshaw
Crystal Ibe
Danielle Jameison
Justin Jones
Dalia Kaakour
Amanda Kramer
Sangeetha Kumar
Karishma Lalchandani
Bridget Larman
Brenden Longfellow
Sarah Lowder
Julia Lukacs
Quoc Mac
Teresa Martz
Rebecca Lynn McCoy
Bridie McDonough
Sloane Miller
Rizul Naithani
Osagumwena Osaretin
Paul Parker
Keona Perry
Mihir Pershad
Alexander Piasecki
Elizabeth Raines
Helen Robertson
Lily Rolader
Jamie Sabo
Joshua Sheetz
Kai Shin
Kaitlin Shinn
Amanda Smith
Alanna Smith
Ashley Spruill
Elizabeth Straub
Jenny Sun
Jon Tostoe
Madelyn Usher
Margaret Walker
Julia Whitley
Molly Williams
Yue Yang
Weichen Zhao
Fareeda Zikry

SONJA HAYNES STONE CENTER FOR BLACK CULTURE AND HISTORY

*The George Moses Horton Award for Multicultural Leadership**
Carla Isabel Salas

Scholarships

Eve Carson Scholars
Sarah MacLean
Kyle Villemain

DISTINGUISHED SCHOLARSHIPS

Boren Scholarship
Anastasia Elise Bury

Gates Cambridge Scholarship
Sarah Whiting Cooley

Gilman International Scholarship
Kosuke Youngshin Benjamin Uyama

Goldwater Scholarship
Matthew James Leming

Goldwater Scholarship, Honorable Mention
Samuel Jackson Resnick

Hollings NOAA Scholarship
Maite Nunes Abu Ghazaleh
Austen Daniel Hughes

Mitchell Scholarship
Aleksander Huryn Seymore

Native American Congressional Internship
Chelsea Kay Barnes

Udall Scholarship, Honorable Mention
Chelsea Kay Barnes
Sangeetha Kumar

UNIVERSITY DISTINGUISHED SCHOLAR GRADUATES

Advantage Scholars
Nolan Cobb
Jennifer Richter
Virginia Riel

Mark R. Braswell Scholars
Michael Moody
Alexia Shank
Caleb Strassberg

Carolina Scholars
Yash Agrawal
Rachel Atkinson
Shelby Bass
Michael Batres
Michael Bojanski
Andrew Cabaniss
Catherine Cannon
Ethan Carleton
Paula Dey
Alexander Dunham
Elizabeth Fisher
Rachel Jordan
Mengqi (Lisa) Li
Maili Lim
Chidera (CeeCee) Obi-Gwacham
Daniel Richey
Sarah Seldin
Zachary Shiro
Esteban Socarras
Hillary Stroud
Eric Thompson
Michaela Thorne
Kevin Valakuzhy
Kexin Yin

Class of 2015 Distinguished Scholars
Chelsea Barnes
Olivia Byrd
Michael Bai
Kenan Bateman
Mary Grayson Brook
Lauren Caldwell
Peter Carter
Joshua Chen
Bradley Deal
Andrew Dinwiddie
Mary Everist
Erin Edmonds
Brandon Ellis
Carlos Floyd
Lauren Fulcher
Liliya Foksha
Renu Gharpure
Tray Ven Good
Alejandra Galindo
Radhika Ghodasara
Ethan Green
Meredith Hamrick
Danielle Jameison
Anna Kelley
Alexander Kenan
Olivia Karas
Atiyasha Kaur
Pooja Kodavanti
Ishna Koul
Tyler Kress
Caroline Leland
Taylor Lammert
Grace Lempp
Jessica Maldonado
Alice Martin
Karina McCorkle
Matthew McCullen
Sloane Miller
Manoj Mirchandani
John Pappas
Valencia Quiett
Joshua Richardson
William Rudisill
Laura Shintay
Christopher Sigmann
Alanna Smith
Hannah Sleight
Andrew Soboeiro
Jenny Sun
Taylor Swankie
Patrick Tenorio
Andrew Tie
Jonathan Villanueva
Neha Verma
Kyle Villemain
Sloan Walters
Julia Whitley
Eric Walston
Brenna Yellin

Coker-Fox Scholar
Charles Patton

College Fellows
Victor Abiona
Vincent Abiona
Galen Burns-Fulkerson
Leeann Chen
Casey Dorrier
Glenn Lippig-Singewald
Cameron Wall

James R. Copland Jr. and Lillian G. Copland Scholar
Michael Touloupas

Josephus Daniels Scholars
Maria Aguilar Noyola
Brianna Chavis
Dillon Taylor

Founders Scholars
Dylan Harrington
Devin Nusbaum

H. Allen Gant II – Davis United World College Scholars
Wilma Mallya
Dylan Mott
Ahmad Saad
Alison Schaefer
Peter Warrington

Frederick J. Houk Carolina Innovation Scholar
Sarah Browning

H.W. Jackson Academic Scholars
Anthony Alston
Emily Andino
Miranda Arias

James M. Johnston Scholars
David Agudelo-Frankel
Ashley Albright
Joshua (Josh) Aristy
Adrianna Barnes
Katie Biggert
Brooke Bollinger
Precious Boston
Julia Boyle
Lily Broming
Lindsay Cannon
Gleb Chupakin
Troy Combs
Maurice Copeland
Thomas Couch
Daniel (Joey) Crawford
Marshall Finkelstein
Donovan Flanders
Jonathan Gaylor
Ashley Harris
Brittany Hollis
Elena Hunt
Douglas Irwin
Kayla Leonard
Alec Loeb
Dylan McCue
Julie Moroney
Brandon Napier
Diana Nguyen
Geovanni Parroquin
Joseph Pietrafesa
Lauren Pittman-Deering
Carla Salas
Elizabeth Steuart
Randi Towns
Cindy Velasquez
Kelsey Warhover
Melanie Yeames
Breanna Younger

James M. Johnston Undergraduate Nursing Scholar
Emily Morgan

William R. Kenan Jr. Music Scholars
Kayla Hill
Christina Lai
Ryan Petersburg

Mackenzie Family Foundation Innovation Scholar
Arjun Bhattacharya

Fred Morrison Scholars
Maegan Clawges
Jasmine Cook
Tanner Fadero
Elsa Mondragon
Jennifer Owenby
David Song
Kendall Weeks

Old Well Scholars
Jeremiah Safford
Zachary Shiro
Charles Wilcher

Herbert and Mayme Pegg Scholars
Eric Foster
Tiffany Huffman
Tyler Johnson
Paul LaFosse
Amy O'Brien
Emily Smith

Alston Pleasants Scholar
Maria Aguilar Noyola

Joseph E. Pogue Scholars
Helena Archer
Nicole Fauster
Zaharaddeen Garba
Sydney Jones
Sabrina Marcos
Christopher (Chris) Phompraseut
Layla Quran
Hannah Randles
Myles Robinson
Gurjant Sekhon
Frank Tillman

Colonel John H. Robinson Scholars
Cheryl AbuMoussa
Alexandra Artes-Roy
Darrin Benjumea
Zineb Bouzoubaa
Lauren Burnham
Katie Coletta
Laura Doherty
Robert Finkle
Amber Gautam
Malaika Hankins
Andrew Koo
Katelyn Mitchell
David Ortiz
Richard (Isaac) Studebaker
Maura Thornton

* *Chancellor's Award*

Andrew (Jake) Younts
Eldon Zacek
Danielle Enrique

Caroline and Thomas Royster Scholars
Paige Bower
Jonathan Duelfer
Kelly Duffy
Obinna Ejimofor
Amber Majors
Raisa Marrow
Yuman Wang
Ja'Mese Ward
Byung (Edwin) Yun

Marvin B. Smith Jr. Scholars
Michael MacGregor
Richard Miller

W. Roger Soles Scholar
Puja Patel

Thomas Wolfe Scholar
Anna Faison

William Whitaker Scholars
Hannah Angle
Caitlin Baussan
Shakeelah Carter
Levi Huffman
Elizabeth Jones
Melanie McRae
Andrew O'Keefe
Emily Olinger
Andre Rowe

GENERAL ALUMNI ASSOCIATION SCHOLARSHIPS

Douglas S. Dibbert Scholar
Spencer Coleman Budd

GAA Scholars
Katherine Andrews
Joshua Casale
Chloe Elizabeth Opper
Kristina T. Vrouwenvelder

Light on the Hill Society Scholars
Camden Freeman
Jennell McIntosh
Jaslyn Bria Piggott

Julius Peppers Scholar
Erica Roschelle Bluford

MOREHEAD–CAIN SCHOLARS

Class of 2015
Hussein A. Ahmad
Noam Argov
Emily June Auerbach
Omololu Refilwe Babatunde
Joseph Brian Blake
Ioan Bolohan
Diego Carlos Camposeco
Caroline Andrea Carrasco
Allen Anthony Champagne
Tait Garry Chandler
Sarah Whiting Cooley
Ellen Corbitt Currin
Marielle Barrett DeJong
Raquel Emiko Dominguez
Alexander Izaak Earnhardt
Natalie Claire Feingold
Cheney Behrens Gardner
Garrison Gray Gordon
Stephan Franz Grabner
Clayton Scott Hackney
Meghan Victoria Herwig
Safiyah Munzer Ismail
Amirah Jiwa
Ella Winthrop Koeze
Lincoln Halas Lamberton
Bridget Catherine Larman
Camille Elyse Morgan
Thomas Benton Moss III
Onyemaechi Chikezie Nwanaji-Enwerem
Graham Ober Palmer
Paul Wilson Parker
Neel Mahendra Patel
Mary Elizabeth Peeler
Andrew Henry Powell
John Martin Powers
Katherine McCrystal Reilly
John Raphael Fabian Rodrigo
Daniel Nelson Rue
David Brian Cameron Russell
Yasamin Ege Sanii
Sophia Maria Vaporis Schermerhorn
Maximillian P. M. Seunik
Aleksander Huryn Seymore
Nikita Shamdasani
Sagar Samir Shukla
Janie Sircey
Jacqueline Grace Wallace
James Lawson Waugh
Cora Margaret Went
Katrina Marie Wertz
Emma Rose Zarriello
Violette Liang Zhu

ROBERTSON SCHOLARS

Class of 2015
Ademide Adedolapo Adelekun
James Bridgman Collier
Brenna Lynn Cukier
Kristen Dianna Fajgenbaum
Jillian Dellora Froelick
Katherine Elizabeth Jordan
Caroline Hall Leland
Sarah Devonna Rutherford
Loren Norris Shealy
Jefferson Keith Sinclair

ROYSTER SOCIETY OF FELLOWS

August 2014
Zena Cardman, *Marine Sciences*
Sara Mamo, *Speech and Hearing Sciences*
Yannick Orthodoxou, *Education*
Autumn Thoyre, *Geography*

December 2014
Rebecca Fanelli, *Neurobiology*
James Grinias, *Chemistry*
Brionna Hair, *Epidemiology*
Brian Jones, *Music*
Sydney Jones, *Epidemiology*
Jennifer Kosmin , *History*
Julie Lauffenburger, *Pharmaceutical Sciences*
Andrea Richardson, *Nutrition*
Abel Valdivia, *Biology*
Wan-Ching Wu, *Information and Library Science*

May 2015
Katherine Arpen, *Art*
Sarah Apffel Cegelski, *Romance Languages*
Catherine Crone, *Music*
Catherine Hughes, *Music*
Maya Nadimpalli, *Environmental Sciences and Engineering*
Melati Nungsari , *Economics*
Julia Olszewski, *Biology*
Ryan Peeks, *History*
McLean Pollock, *Maternal and Child Health*
Elizabeth Rogawski, *Epidemiology*
Maria Agostina Santoro, *Cell and Molecular Physiology*
Emma Woelk, *Germanic and Slavic Languages and Literatures*

Scholastic Honor Societies

PHI BETA KAPPA

Officers
President: Emma R. Zarriello
Vice President: Alexander Izaak Earnhardt
Recording Secretary: Ashley Lent Cairns

2014–2015 Initiates
Olivia Jane Abrecht
Ademide Adedolapo Adelekun
Julie Jee-Eun Ahn
Turner Rice Albernaz
Gabriel Ross Allen
Danielle Nicole Allyn
William Perry Almquist
Catherine Jeanette Anderson
Kevin Scott Anderson
Helena Irene Archer
Noam Argov
Rachel Carly Perlman Atkinson
Imani Augustus
Madison Elizabeth Averill
Kendall A. Bagley
Michael Yang Bai
Allison Renee Baker
Arthur Cade Barefoot
Eric A. Barefoot
Justin Michael Barnes
Daniel Barrus
Michael Alexander Basse
Sarah Jane Bassett
Katharine Wood Batchelor
Cenk Baykal
Ellery Nicholas Beard
Gertrude Rose Becker
Connor Moss Belson
Travis Allen Berger
Anuradha Bhowmik
Caitlin B. Biddell
Tyler Davis Blanton
Zachary Tyler Blom
Jacob Ellis Bogerd
Ioan Bolohan
Allison Bonner
Matthew Booth
Kane Walker Borders
Amy Michelle Bourret
Eric P. Boyers
Glenn Patrick Boyles
Eric Brandt
Nicholas L. Brenner
Joseph Benjamin Bridgers
Miriam Brinberg
Natalie Nicole Broadway
Mary Grayson Brook
Jennifer Catherine Brown
Taylor Jane Bryant
Spencer Coleman Budd
Morgan Eileen Burke
Jessica Grace Cabrera
Joseph Calder Jr.
Lonnie Wayne Carraway Jr.
Michael Anthony Catalano
Emily Karen Cathey
Thomson Flynn Moore Chapman
Elizabeth Crenshaw Chase
Tammy Renyong Chen
Brian G. Christian
George Montgomery Cleland V
Yasemin Canan Cole
James B. Collier
Jared Andrew Compiano
Becca N. Conary
Anna Katherine Cook
Abigail Cooksey
Sarah Whiting Cooley
Kaja T. Coraor
Travis D. Corriher
Acacia Grace Cosentino
Glynis Longworth Coyne
Katherine Elizabeth Crook

Ellen Corbitt Currin
Nicole Grace Curtis
Matthew Bryant Davidson
Connor J. Davis
Nicole R. Davis
John W. Denton
Andrew Alan Dinwiddie
Alexander N. Dunham
Danielle N. Enrique
Luma Essaid
Matthew Fay
Lorelei Feeny
Jessica Faye Fillhaber
Danielle Joan Fishman
Derrick Grant Flakoll
Jennifer Kelly Findlay Flieler
Alex R. Flores
Dakota A. Foard
Evelyn A. Ford
Teresa Frasca
Emma Elise Hattery Freetly
Olivia Catherine Frere
Chandler Fry
Rachel Marie Buckner Furlough
Cheney Behrens Gardner
Abby Gerdes
Renu Vasudev Gharpure
Madeline M. Gillon
Anagha Uday Gogate
Marc Gonzalez
Zachary Benjamin Gossett
Corinne Celeste Goudreault
Stephan Franz Grabner
Sarah Holland Grady
Wilson Greene IV
Liliana Karas Gregory
Kate E. Griffin
Meredith Marie Griffin
Dian Gu
Alexandra Lynn Gunnells
Megan Seema Gurjar
Marc Gutierrez
Clayton Scott Hackney
Patrick Hahn
Hana K. Haidar
Larry Han
Pranav Nagaraj Haravu
Anastazja Harris
Rachel A. Harris
Robert I. Harris
Nicholas Li-Wen Hatcher
Blake Marie Hauser
Catherine Haviland
Jonathan Hebert
Meghan Victoria Herwig
Stephanie Mae Hess
Jacob Rhys Higdon
Isabella Carolyn Aida Higgins
Allison MacLean Hoffmeister
James Edward Holden
Jorian Hoover
Tabatha Joeann Horney
Samantha Hovaniec
Victoria Lynn Hughes
Elizabeth F. Hylton
Daniel Irvin
Grace Elizabeth Jackson
Lane Parker Jacobson
Taylor Anne Johannigman
Justin Brett Jones
Katelyn Rose Jones
Margaret Elizabeth Jones
Katherine Elizabeth Jordan
Rachel Elizabeth Jordan
Michael Paul Jushchuk
Colin Jacob Kantor
Olivia Louise Karas
Laurel Ann Keefer
Justin Keever
Alexander Keith
Catherine Keller
Lindsey Stafford Kellogg
Sarah McWilliams Kennedy
Mahreed Rahman Khan
Min Jeong Kim
Meredith B. Kimple
Ella Winthrop Koeze
Katherine Anne Koller
Benjamin John Kompa
Andrew B. Koo
Sonya Roosa Kowalczyk
Michelle Rebecca Kramer
Zoe Kronovet
Amanda Marie Kubic
Steven Kufert
Emily L. Kukura
Debanjali Kundu
Taylor Ryan Lammert
Ethan Jeremy Ledbetter
Dustin R. Lee
Ellen Katherine Lesser
Joshua Arthur Hilton Lewis
Forrest Cui Li
Brian Lim
Guei-Jiun Alice Liou
Glenn Thomas Lippig-Singewald
Duri Lucille Lampe Long
Elizabeth Helen Long
Quoc Duy Mac
Sarah Audrey MacLean
Allison Elizabeth Madonia
John Kyungyung Mason
Mary Clare Mazzocchi
CrysAne McCallum
Raleigh Langley McCoy
Harold B. Mcknight
Kyle Henry Mcknight
Claire Elizabeth Todd McLaughlin
Marques McPhail
Sarah Rebecca Mcshane
Sean McWeeny
Jan Therese Michael
Vance Miller
Rebecca Marie Mitchell
Meredith Grace Mock
Sarah Lee Molina
South Alexander Moore
Graham B. Morgan
Mariel B. Murray
Mitchell Garrison Nash
Luke William Neenan
Joseph Nenow
Nicholas Kalani Neuteufel
Sarah Rachel Niss
Anna Noone
Lana Nye
Juan D. Olano
Sean M. O'Neill
Anna H. Ormond
Miles J. Owens
Derek Pace
Zachary J. Padgett
Graham Ober Palmer
Emma A. Park
Ryan Ray Passer
Radha Piyush Patel
Sheev Patidar
Kendall Stone Peeler
Mary Elizabeth Peeler
Joshua C. Peterson
Anna T. Pincus
Susan Elise Pizzolato
Maggie Rae Poole
Claire Elizabeth Porter
Elizabeth A. Porter
Justin Hampton Price
Robert D. Price
Marilee Michelle Protonentis
Megan Elizabeth Przybyla
Brian David Quast
Mallory A. Rabon
Tianshu Ren
Samuel Jackson Resnick
Kristen Elizabeth Rhodin
Meredith Anne Richard
Joshua Clay Richardson
Braxton Tiberius Rickert
Emily Elizabeth Riederer
Anna Brooks Roberson
Jessica Michelle Robinson
Jake Rohde
Andrew Steffensen Romaine
Jacob Rosenberg
Andrew Dean Ross
Carson E. Rouse
Daniel Nelson Rue
David Russell
David Scott Sailer
Andrew J. Saintsing
Nancy Carol Sanseverino
Srinivas Saripalli
Kendrick Jordan Sawyers
Caley Scheppegrell
Jonathan Jacob Schwartz
Jared Parker Scruggs
Maximillian Peter Montgomery Seunik
Charles J. Shapiro
Matthew Sherman
Alexander Dean Sherry
Kaitlin Anita Shinn
Laura L. Shintay
Meredith Shutt
John Matthew Sincavage
Kasey Skinner
Samuel Slattery
Ross McNeill Slaughter
Catherine Porter Smith
Emily Carlyle Smith
Nathan L. Smith
Haley Alycia Smyser
Andrew John Soboeiro
Esteban Socarras
Matthew W. Spangler
Katherine T. Spencer
Sarah Victoria Spivey
Priya Savithri Sreenivasan
William Christopher Stelpflug
Olivia Van Stevens
Andrea Stewart
Elizabeth Emily Straub
Zhiyi Su
Angela M. Taylor
Michael S. Taylor
Nandan P. Thakkar
Sarah Glenn Thompson
Maura Elizabeth Thornton
Sarah Frances Tomlinson
Mary Kaitlyn Tsai
Carlisle Alice Uhlman
Rachel Margaret Uhlman
Madelyn Nicole Usher
Kevin Eapen Valakuzhy
Megan E. Villegas
Peter Blanton Vogel
Adam Christopher Vos
Jenny Wajahn
Jacqueline Grace Wallace
Patrick Cooper Walsh
Sloan Evan Rhyne Walters
Longxuan Wang
Putianqi Wang
Samuel Warner
Hannah Emily Webber
Ava Noelle Wells
Cora Margaret Went
Brendan Matthew Wesp
Julianna Wessler
Julia Danielle Elizabeth Whitley
Coco Nell Wilder
James Scott Williams
Timmons Elizabeth Williams
Eleanor G. Withers
Max A. Wolpert
Andrew Jonathan Wood
Amy Dawn Wright
Frank Ke-Fan Wu
Jaclyn Wu
Melanie B. Yeames
Brenna Renee Yellin
Katharine Kelly Yost
Fareeda M. Zikry
Jerrold Mente Zuraw

* *Chancellor's Award*

Honorary Societies

FRANK PORTER GRAHAM GRADUATE AND PROFESSIONAL HONOR SOCIETY

1st–3rd Years
Nicole Corbin, *Speech and Hearing Sciences*
Stephanie Davis, *Occupational Therapy*
Shelby Dawkins-Law, *Education*
Todd Jensen, *Social Work*
Manish Kumar, *Public Health Leadership*
Justin McNabb, *Geological Sciences*
Nikhil Tomar, *Occupational Science*
Charity Watkins, *Social Work*

4th and Higher Years
Marissa Cann, *Pharmacology*
Clare Fieseler, *Ecology*
Beth Hopping, *Nutrition*
Brandon Linz, *Microbiology and Immunology*
Autumn McClellan, *Sociology*
Jami Powell, *Anthropology*
Kyle Reeves, *Chemistry*

Honorary Inductees
Claudio Battaglini, *Exercise and Sport Science*
Kathleen M. Brown, *Education*
Anthony Hackney, *Exercise and Sport Science*
Judith Meece, *Education*
Shu Wen Ng, *Nutrition*
Jane Thrailkill, *English and Comparative Literature*

NATIONAL RESIDENCE HALL HONORARY

*The Robert White Linker Award**
Chuchitra Thanigaivasan

ORDER OF THE BELL TOWER

Officers
South Alexander Moore, *President*
Robert Jacoby Isley, *Vice President*
Bret Robinson, *Secretary*
Landon David Sherwood, *Outreach Coordinator*

Fall 2011 Initiates
Scott Parker Nelson

Fall 2012 Initiates
Melissa Kathleen Fluke

ORDER OF THE GOLDEN FLEECE

Officers
Andrew Cabaniss, *Jason*
Aubree Broadwater, *Hyparchos*
Cora Went, *Chrystopher*
Dillon Robinson, *Grammateus*

2014–2015 Inductees
Tasia Harris
Safiyah Ismail
Patrick Mateer
Andrew Powell

2015–2016 Inductees
Omololu Babatunde
Kiran Bhardwaj
Roderick Gladney
Luis Guerrero-Lopez
Malaika Hankins
Brooke Hill
Jacob Hinton
Meshay Long
Trey Mangum
Tafadzwa Matika
Caroline Orr
Marcus Paige
Andre Rowe
Sasha Seymore
Holly Sit
Taylor Swankie
Emilio Vicente
Kyle Villemain
James Williams

ORDER OF THE GRAIL-VALKYRIES

Officers:
President: Roderick Amal Gladney
Secretary: John Martin Powers
Treasurer: Christopher Jordan Helton

2014–2015 Initiates
Amber Gautam
Sangeetha Kumar
Amber Tolita Majors
Evonne McArthur
Karina Shaw McCorkle
Maximillian Peter Montgomery Seunik
Aleksander Huryn Seymore
Jaehee Yoo
Chang Zhao

2013–2014 Initiates
Andrew Haynes Fulghum Cabaniss
Roderick Amal Gladney
Christopher Jordan Helton
Alice Jean Martin
Michael Parrish
John Martin Powers
Layla Khalid Quran
Cora Margaret Went

HONORS CAROLINA

Class of 2015
Olivia Jane Abrecht
Cheryl AbuMoussa
Hussein Ahmad
Ryan J. Allan
Bradley C. Allf
Katherine Andrews
Noam Argov
Miranda Arias
Alexandra Artes-Roy
Rachel Atkinson
Emily June Auerbach
Imani Augustus
Franck H. Azobou Tonleu
Allison K. Balin
Chelsea Barnes
Mauricio Barreto
Shelby Bass
Cenk Baykal
Emily Lauren Bell
Connor Moss Belson
Anuradha Bhowmik
Caitlin B. Biddell
Joseph Brian Blake
Michael Christian Bojanski
Ioan Bolohan
Samuel L. Bondurant
Zineb Bouzoubaa
Flannery Elisabeth Bowman
Olivia Leigh Branscum
Eric Samuel Branse
Natalie Nicole Broadway
Mary-Grayson Brook
Melissa A. Brown
Sarah Brown
Sarah Browning
Taylor Jane Bryant
Lauren Elizabeth Burnham
Emily Ruth Buzhardt
Ashley Lent Cairns
Avery Elizabeth Calhoun
Ethan Carleton
Caroline A. Carrasco
Lonnie Wayne Carraway Jr.
Peter Lewis Carter
Jessica Castro-Rappl
Emily Rose Cerciello
Joshua Y. Chen
Kerry Zhu Cheng
Gabriel Edward Chess
James B. Collier
Anna K. Cook
Abigail Cooksey
Bradley M. Deal
Abigail M. Dennison
John Denton
Natalie T. Deuitch
Paula Dey
Andrew Alan Dinwiddie
Laura Marie Doherty
Alexander N. Dunham
Erin Capri Edmonds
Luma Essaid
Mary Margaret Everist
Kristen Dianna Fajgenbaum
Frederick Ferguson
Carlos Shadoan Floyd
Dakota Anne Foard
Liliya Foksha
Jillian Froelick
Zaharaddeen Lawal Garba
Cheney Behrens Gardner
Amber Gautam
Jonathan P. Gaylor
Mohaned Mamdouh Ghanem
Renu V. Gharpure
Adam D. Glasser
Garrison Gray Gordon
Ethan Jeffrey Green
Alexandra Lynn Gunnells
Hana K. Haidar
Malaika A. Hankins
Catherine E. Haviland
Carrington C. Herring
Meghan Victoria Herwig
Brooke A. Hill
James E. Holden
Arianna Noelle Holder
Tabatha Joeann Horney
Danielle Jameison
Karina Shirish Javalkar
Sharisse Michelle Jimenez
Justin Jones
Lyle Alexander Jones
Jennifer Jordan
Katherine Jordan
Rachel Jordan
Olivia Louise Karas
Atiyasha Kaur
Catherine Keller
Anna M. Kelley
Alexander E. Kenan
Andrew B. Koo
Mackenzie Page Koppenhofer
Ishna Koul
Emily Ann Kowalczyk
Sangeetha Kumar
Taylor R. Lammert
Bridget Catherine Larman
Andrew Maximilian Lawrence
Matthew Leming
Grace K. Lempp
Brendan Leonard
Kayla Leonard
Griffin Frederick Lerner
Ellen K. Lesser
Mengqi Li
Maili Lim
Glenn Thomas Lippig-Singewald
Brenden Robert Longfellow
Amanda Lucier
Rashil S. Madan
Amanda Myra Malloy
Phillip Maraveyias
Alice Jean Martin
Teresa G. Martz
Evonne McArthur

Karina McCorkle
Dinesh Keith McCoy
Meredith A. McDonald
Clara Mary McDonnell
Carson E. Mckee
Claire Elizabeth McLaughlin
Sean McWeeny
Katelyn Mitchell
Camille E. Morgan
Virginia L. Niver
Chloe Elizabeth Opper
David Ransom Ortiz
Emily Anne Overcarsh
Arjun J. Padalia
Graham Ober Palmer
Sung Park
Paul Wilson Parker
Sarah Pederson
Mary Elizabeth Peeler
Rose Lorraine Peifer
Caroline E. Perry
Devon B. Pinkus
Jeffrey N. Popkin
Andrew Porter Powell
John M. Powers
Valencia M. Quiett
Layla Quran
Mallory A. Rabon
Kelly Reeder
Christopher Register
Katherine McCrystal Reilly
Tianshu Ren
Samuel Resnick
Mary E. Rhudy
Joshua Clay Richardson
William Robertson
William J. Rudisill
Daniel Nelson Rue
Sarah D. Rutherford
Sophia M. Schermerhorn
Aleksander H. Seymore
Anand J. Shah
Nikita Shamdasani
Kai Terry Shin
Katherine Alyssa Shor
Sagar Shukla
Christopher John Sigmann
Hannah Colette Sleight
Alanna L. Smith
Haley A. Smyser
Andrew J. Soboeiro
Sarah Spurr
Michael Stephen Stock
Elizabeth E. Straub
Hillary Stroud
Richard Isaac Studebaker
Kaitlin Madeline Sullivan
Katherine Summerton
Jenny Sun
Angela M. Taylor
Maura Elizabeth Thornton
Michael Touloupas Jr.
Paige Mason Tummons
Nikhil Umesh
Sudheer Vemuru
Neha Verma
Jonathan Villanueva
Peter Vogel
Margaret G. Walker
Emily Wallace
Jacqueline Grace Wallace
Putianqi Wang
Isaac Maynard Warshauer
Stephen Taylor Watts
Julia Danielle Elizabeth Whitley
Coco Nell Wilder
Andrew Jonathan Wood
Brenna Renee Yellin
Andrew J. Younts
Emma R. Zarriello
Weichen Zhao
Violette Zhu
Fareeda M. Zikry

BURCH FELLOWS PROGRAM

2014 Burch Fellowship
Rachel Carly Perlman Atkinson
Paul Michael Ashton
Aidan Mahan Kelley
Matthew James Leming
Mary Emerson Rhudy

2013 Burch Fellowship
Natalie Treadwell Deuitch
Karina Shirish Javalkar
Layla Khalid Quran

School Awards

The Kenan-Flagler Business School

UNDERGRADUATE BUSINESS RECOGNITIONS OF EXCELLENCE

Delta Sigma Pi Scholarship Key
Ioan Bolohan

Undergraduate Business Excellence in Entrepreneurship Award
Thomas Benton Moss III

Undergraduate Business Excellence in Finance Award
William T. Heyward

Undergraduate Business Excellence in International Business Award
Evan Michael Bruder

Undergraduate Business Excellence in Management Communication Award
Laura J. Hanson

Undergraduate Business Excellence in Marketing Award
Sotires A. Pagiavlas

Undergraduate Business Excellence in Operations Management Award
Michael Christian Bojanski

Undergraduate Business Excellence in Organizational Management Award
Julie C. Moroney

Undergraduate Business Excellence in Real Estate Award
Joshua P. Glover

Jimmy Garrell-Tabor City Award for Excellence in Community Service
Ellen Katherine Lesser

Jimmy Garrell-Tabor City Award for Excellence in Leadership
Alexa Danielle McClain

GLOBE Class of 2015
Jennifer Catherine Brown
May Yojane Chang
Van Thanh Duong
Justin Gregory Foster
Nitin Goel
Kenneth Ross Hamilton
Sophie Rose Jacobson
Anna Jia Li
Lisa Mengqi Li
Adriel Raphael Lubarsky
Luke William Neenan
Alexander Poal Piasecki
Sarah Mai Spurr
Ayumi Watanabe
Kelcie Ann Wildeman
Frank Ke-Fan Wu
Violette Liang Zhu
Wen Wu

*The 2015 Hampton Shuping Prize**
Andrew Jonathan Wood

Honorable Mention for Undergraduate Business Leadership and Service
May Y. Chang
Vincent Graham Lombardi
Matthew Ryan Hurley
Loren Norris Shealy
Evan Benkert
Sydney E. Jones
Trevor Cockerham

Kenan Institute Leadership Fellows
Spyros Messados
Lucille Zhong
Violette Zhu

Undergraduate Business Class of 2015 Honors Candidates
Alexander Poal Piasecki
Mahati Sridhar
Andrew Jonathan Wood
Bo Yin

29th Annual Undergraduate Symposium Core Planning Committee
Alec Harrison Loeb
Kelly A. MacDevette
Saniya Rakesh Sachdeva
Olivia Eloise Vos
Craig W. Amasya
Brittany Renee Kalmbach
Lauren Nicole O'Connell
Jack Oliver Paley
Charles Collett Patton Jr.
Andrea Chaves
Katherine Coleman Hill
Carly Braun Wolberg

2014 Undergraduate Symposium Service Award
Katherine Coleman Hill

UNDERGRADUATE BUSINESS MERITORIOUS SCHOLARSHIPS 2014–2015

John Duke Baldridge Jr. Scholarship
Alexander Bales
Michael Bojanski
Natalie Curnes
Ellen Lesser
Grant Shisler

Carl and Janice Brown Preferred BSBA Scholarship (for pre-admits)
Evan Benkert
May Chang
Brad Heshmaty

Carl and Janice Brown Upperclass Academic Scholarship Fund
Alexis Shiro

Eric Windsor and Jessamine Brown Cass Undergraduate Scholarships
Eric Brandt
Kristen Cope
Andrew Daniel
Laura Gill
Matthew Kelly
James Lilley
Michael Moody
Katelyn Storey

* *Chancellor's Award*

Stephanie Bui
Peter Chen
Cyara de Lannoy
Daniella Dworschak
Robert Edmiston
Stefan Garval
Collin Gibbons
Lauren Gil
Catherine Hurlburt
Emily Ruffin
Rashmitha Vasa

Wayland H. Cato Jr. Leadership Scholars
Christopher Jones
Parag Satsangi

The Gene Clark Memorial Scholarship
Alicia Alford
Craig Amasya
Emma Blackwell
Megan Cross
Madeline Douglas
Mohammed Hedadji
Allyn Hollingsworth
Jinyoung Kang
Deanna MacCormac
Michael Olson
Pooja Panduranga
David Snedecor
Karthik Sundaram
Imani Sweatt

James Wilford Clark Jr. Undergraduate Scholarship
Jin Kang
Lorena Millo

The N. Courts Cooledge Family Scholarship
Karina Sindunata
Elwyn Bridges
William Vance
Allison Whitmeyer

The William G. Daughtridge Jr. Study Abroad Fund
Caroline Duvall
Blake Messerly

Wade S. Dunbar Jr. Undergraduate Scholarship Fund
Blake Carroll
Michael Chang
Vincent Desio
Shannon Dwyer
Sotos Pagiavias
Eric Powell
Weichen (Ben) Zhao
Jesse Zhu

Edmister Family Fund
Lauren Paige Dombrowski
Joseph Baldock
Andy Chiu

The Garrell-Tabor City Inc. Scholarship
Lauren Paige Dombrowski
Lauren Law Hamlett

General BSBA Scholarship
Abigail Barnhill
Zakary Brown
Brandon O'Neill Gilbert
Nicholas Gratto
Elizabeth Han
Bryan Harrison
An Le
Evan Lumbra
Daniel Maltsev
Alexa McClain
Sean McClung
Paige Owens
Sotires Pagiavlas
Erin Purdy
John Henry Riehl
Jianing Rong
Drew Schmitz
Hannah Christine Single
Jamie Rachel Strassman
Katherine Diana Wagaman
Taylor Walker
Zihan Wang
Andrew Wood

Global BSBA Scholarship
Alexander Talbot Almquist
Lauren Law Hamlett
Maria Veronica Martinez
Katherine Diana Wagaman

Global Business Center Travel Award
Abigail Barnhill
Alex Biehl
Karissa Evans
Ryan Lee
Natanya Montgomery

Golden Corral BSBA Scholarship
Brooke Curtis
Jenniffer Ashley DeLong
Virginia Keaton Green
Taylor Anne Kenan
Rickell Jerri-Lee Reid
Carson Lawrence Smith
Stetson Martin Sullivan Starkey
David Valenstein
Kendall Anthony Wagner
Yaner Wei
Candice Ruoqi Zhou

Kenneth Bartlett Howard Undergraduate Business Scholarship
Alexander Talbot Almquist
Christine Malarkey
Cameron Weiner

Kenneth Felton Howard Jr. Undergraduate Scholarship
Collins Allison
Tiange Hai
Ryan Kelley

The Bob and Mindy Jones Family Assured Admit Scholarship
Danielle Fraley

The Bob and Mindy Jones Family Global Immersion Fund
Renwick Jarrett Atkins
Pamela Sue Brody
Carl Von Hoffmann Burnham
Emily Lois Gregoire
Connor Justin Haines
John Borden Schutts
Devin Nicole Simpson

The Ernest Mayo Undergraduate Award
Alexander Bales
Jonathan Campbell
Christina Cheng
John Farmer
Brianna Norris
Jay Patel
Michaela Rankins
Kush Shah
David Su
Jingyi Zhao

Ernest E. Mayo Undergraduate Fund in Finance
Brianna Bai
Zak Brown
Will Bryant
Sydney Jones
John Shutts
Olivia Vos
Andrew Wood
Jeanie Zhao

James K. McLean Scholarship Fund
Scott Freudenthal
Kirsten Hoffman
Kristen Mangum
Amanda Thompson
Olivia Vos
Lukas Whitcomb
Michael Whitcomb

The McMichael Family Study Abroad Scholarship
Peter Chen
Cyara de Lannoy
Robert Edmiston
Stefan Garval
Madelyn White
Simon Porter

Medlin Scholarship for Business and Liberal Arts
Collin Gibbons
Lauren Gil
Spencer Gliddon
Hailey Jacob
Joseph Lucido
Michael Riccio
Andrew Stowe
Mansi Vakil
Isabelle Voler

David S. and Christine C. Moss Scholarship
Ryan Trocinski

Thomas Hart Norwood Scholarship
Austin Smith

Michael J. Peterson Scholarship
Harrison Bard
Stuart Allen Moody
Peyton Lyn Soernssen

The June and L. Gordon Pfefferkorn Jr. BSBA Study Abroad Fund
Tobenna Egbuna
Basil Kazi
An Li
Laura Montes
Megan Murphy
Stephanie Watts

The Jason Ray BSBA Global Scholarship
Morgan Blumberg

BSBA Global Travel in Memory of T. Henry Redding
Benjamin Martinez
John Henry Riehl
Megan Elizabeth Schmelzle

Scholarship in Memory of Hal Kearns Reynolds
Anna Schoeman

The March Floyd Riddle Family UNC Kenan–Flagler BSBA Scholarship Fund
Chidera Obi-Gwacham

The Barry Roberts International Fund
Abid-Alhamid Dahnoun
Danielle Frider
Shiamak Ratra

Edmund B. Ross III BSBA Endowment
Samuel Albert
Samuel Arnie
Jacob Barach
James Berrier
Alexis Boyle
Anna Chapman
Russell Davis
Zakhele Dlamini
Jade Enns
Andrea Gawkins
Spencer Gliddon

Andrew Guerrazzi
Roxanne Henshall
Allison Higgins
Elizabeth Hunter
Hailey Jacob
Nabil Lachgar
An Li
Joseph Lucido
Christopher Madaffari
Jocelyn Meusel
Patrick Myers
Julie Neveleff
Paige Nielsen
Neal Patel
John Ramsey
Abby Reimer
Michael Riccio
Devon Rolison
Benjamin Sawchak
Kendrick Sawyers
Anna Schoeman
Zachary Schumacher
Soroush Shahbazi
Gaurav Surampudy
John Stewart
Andrew Stowe
Mansi Vakil
Isabelle Voler
Taylor Walker
William Walton
Madelyn White
Carly Wolberg

E. Jackson Sapp Scholarship
Mark Mueller

Bob and Teresa Scheppegrell BSBA Study Abroad Endowment
Courtney Clapper
Mijung Shim

Frank and Shelayne Sutton BSBA Excellence Fund
Danielle Frider
Jonah Mahrer

James H. Toy Scholarship
Zachary Grieb

The Helen Craig Wardlaw Fund
Anurag Angara
Courtney Clapper
Maggie Denny
Victoria Fedder
Jordyn Hodge
Brittany Kalmbach
Patrick O'Neill
Jennifer Polvino
Nicole Rose
Paige Schafer
Madison Williams
Madelyn Zeigler

Frank Erwin Young Jr. and Mae T. Young Scholarship for Study Abroad
Samuel Albert
Courtney Clapper
Karissa Evans
Kristen Mangum
Natanya Montgomery
Simon Porter
Sasha Seymore
Erin Smith
Kevin Van Asch

The School of Dentistry

Omicron Kappa Upsilon National Dental Honor Society 2015 Initiates

Courtney Renée Aman
Gentry Lasater Byrd
Catherine Carter Doswell
Brett Russell Henson
Brent Alexander Meekins
Ashley Diane Morgenstern
Trang Quynh Nguyen
Gina Spizzirri Patrice
Matthew James Scheske

Sigma Phi Alpha National Dental Hygiene Honor Society 2015 Initiates

Li Chen
Grace Catherine Hanes
Dana Caroline McWilliams
Gina Moreland
Sara Elizabeth Sebastian

The School of Education

BASE Fellowship
Nitasha Clark

Wilson and Anne Brown Award
Elizabeth Cutrer

Mayo and Norma Bundy Scholarship
Hannah Alexandria Mebane

Gail Bunn Fellow
Ngoc-Han Sandy Trinh

Barbara and John Chapman Graduate Fellowship
Jillian Joy LaSerna

Patrick and Janet Carlton Award for Dissertation Research in Educational Leadership
Susan Elizabeth Sutherland

Frank Comfort Scholarship
Danielle Marie Moloney

Robert Wendell Eaves Scholarship
Hannah E. McMillan

Susan Friel Graduate Student Stipend for Mathematics Education
Matthew Joseph Miller

Galassi-Brown Award
Leslie Anne Locklear
Stephanie Sherer

Virginia Carter Goebbel Graduate Student Award
Elizabeth Phelps Davidson
Janice Marie Giles
Lucas Paulsen
Jeffrey E. Uhlenberg

Ira J. and Esther Gordon Fellowship
Abby Anna Ampuja

Graduate School One-Year Merit Assistantship
Alice Hasty Verstrat
Elizabeth Rose Reynolds

Graduate School Five-Year Merit Assistantship
Kristin Dana Bedell

Lynn Boyette Hutchinson Scholarship
Taylor M. Ballard

Vinnie Ireland Fellowship
Susan Hedges

James Yadkin Joyner Fellow in Educational Policy
Mark Andrew Johnson

Willie Hall Kennedy Scholarship
Melvin Carlton Ford

Carol and William Malloy Conference Travel Award
Clyde Harrelson
Alison Elizabeth LaGarry
Rebecca Carol Merrill
Lana Marie Mishew
Hillary Elise Parkhouse
Eleni Zgourou

Metametrics Fellowship
Audra Eileen Kosh

Michaela Reedy McIntosh Scholarship
Olivia Ella Van Horn

Alan Coningsby Moore Scholarship
Brendan Michael O'Malley

North Carolina Minority Presence Fellowship
Ronda Taylor Bullock
Erica Jean Fornaris
Nestor Alexis Ramirez

Nancy Blanche Norman
Melinda Ann Bowman

Carol Mathews Peeler Scholarship
Pierre E. Lourens

W.D. Perry Outstanding Student in School Counseling
Devon McCarthy

Susan Redd Scholarship
Holly Christine Brown

Carole and Sam Roebuck Scholarship
Sean Joseph Monahan

William Self Graduate Fellowship
Shelby Dawkins-Law

Dean E. Smith Scholarship
Ashley Caroline Shaver
Katherine Carole Walker

Linnea Smith Innovations Fund Award
Clyde Harrelson
Tara Elizabeth Regan

Charles S. Templeton Scholarship
Matthew Joseph Miller

Gerry Unks Travel Award
Sydney Rae Dawson
Hannah E. McMillan
Stephani Nummelin
Logan Ashley Woodell

Marvin Wyne Award
Shuting Zheng

The Graduate School

2015 Dean's Distinguished Dissertation Award
Maria Aleman, *Pathology*
Aaron Hale-Dorrell, *History*
Ravish Mehra, *Computer Science*
Sara Niedzwiecki, *Political Science*

GEAB Impact Awards for Graduate Students: Outstanding Research Benefiting the State of North Carolina
Maiko Arashiro, *Environmental Sciences and Engineering*
Ashley Chaifetz, *Public Policy*

* *Chancellor's Award*

Melissa Crane, *Health Behavior*
Bryan Davis, *Statistics and Operations Research*
Jin Di, *Biomedical Engineering*
Kim Gaetz, *Epidemiology*
Christopher Giardina, *Biomedical Engineering*
Sofoklis Goulas, *Economics*
Pooja Jani, *Public Health Leadership*
Jayne Jeffries, *Health Behavior*
Mona Kilany, *Health Policy and Management*
Jessica Kinard, *Speech and Hearing Sciences*
Maggie Kovach, *Geography*
Patrick Lang, *Cell and Molecular Physiology*
Kellen Lauer, *Marine Sciences*
Anna McGeehan, *Public Administration*
John Mellnik, *Bioinformatics and Computational Biology*
Kyle Messier, *Environmental Sciences and Engineering*
Megan Meyer, *Microbiology and Immunology*
Justin Milner, *Nutrition*
Marie Patane Curtis, *City and Regional Planning and Environmental Sciences and Engineering*
Greggory Rice, *Chemistry*
Andrew Roberts, *Pharmaceutical Sciences*
Ethan Theuerkauf, *Marine Sciences*
Sara Turner, *Chemistry*
Lei Zhang, *Applied Physical Sciences*

The School of Information and Library Science

Susan Grey Akers Fellowship
Caroline Amity Simpson

American Library Association Student-to-Staff Scholarship
Sarah Elizabeth Morris

Lester Asheim Scholarship
Annie Tze-Tze Chen
Xiangyu Fan

Association of College and Research Libraries Student Scholarship for ACRL Conference Attendance
Sarah Elizabeth Morris

Association of Research Libraries Career Enhancement Program Fellowship
Mari Elizabeth Alexandria (Mea) Warren

Baker and Taylor Scholarship Summer Seminar to London
Julie Nennstiel Stivers

Beta Phi Mu Scholarship
Ann Cooper
Julie Nennstiel Stivers

Beta Phi Mu Epsilon Chapter Achievement Award
Laura L. Pavlech

Beta Phi Mu Honor Society 2015 Nominees
Curtis Penry Arledge
Stephanie Anne Barnwell
Heather Louise Mae Bowden
Ashley Michelle Brown
Hsi-Yen Chen
Robert William Correll
Carla Yasmin Davis-Castro
Dawn Therese Dvorak
Julia Grace Feerrar
Shumeng Gu
Brittany Michelle Hayes
Erin Rachel Holmes
Barbara J. Kaplan
Madeeha Khan
Sophia Nicole Lafferty-Hess
Amanda Beth MacDonald
Meredith McClure-Scott
Laura Cowden McPherson
Mary Rebecca Mellon
Virginia Adele Neisler
Jessica Streck Ortolano
Laura L. Pavlech
Anna Domenica Sandelli
Laura Ann Sheble
Jody Seim Timmins
Jerica Michele Vogel
Martha Best Waters
Kate Weber
Emily Hogan Wells
Tisha Springer Woo
Wan-Ching Wu

Evelyn J. Bishop Scholarship
Ann Clare Cooper

Lisa Burmeister Computer and Information Science Fellowship
Elizabeth Irene Peele
Ashleigh Nicole Lumpkin Stevens
Julie Nennstiel Stivers

Carolina Academic Library Associate (CALA)
Alison Cornelia Blaine
Hillary Katharine Miller
Sarah Elizabeth Morris
Morgan McKeehan
Jaci Wilkinson

Elfreda Chatman Research Award
Elizabeth Brooke Guthrie
Katherine Lynn Meyer

Educating Stewards of Public Information Infrastructure (ESOPI) Fellowship
John O'Connor
Caroline Amity Simpson

UNC Graduate School Dissertation Completion Award
Kaitlin Costello
Michael Hooker Fellowship in Applied Networking
Evgeniia Kazymova
Elizabeth Irene Peele
Jonathan Luis Pulliza

Margaret Ellen Kalp Memorial Fellowship
Lisa Diane Becksford
Annie Tze-Tze Chen
Neda Ellen Defibaugh
Halley Lynne Hair
Michael Head
Morgan McKeehan
Kathleen Anne Monahan
Mary Elizabeth Peterson
Margaret Edith Southwell
Rachel Danielle Walton
Katherine Gayle Womble

Kathleen McNiece Moore Fellowship in Children's Library Services
Elizabeth Huessy

North Carolina Special Library Association 2014 Sara Aull Student Award
Mari Elizabeth Alexandria (Mea) Warren

School of Information and Library Science Undergraduate Scholarship
Krista Marie Katzenmeyer
Mary Elisabeth Livingston
Lincoln Andre Sward

Travel Award, National Conference on Managing Electronic Records, Chicago, IL
Caroline Amity Simpson

Travel Award, NIST-Sponsored Text Retrieval Conference, Gaithersburg, MD
John O'Connor

Weiss Urban Livability Fellowship
Mari Elizabeth Alexandria (Mea) Warren

Louis Round Wilson Fellowship
Alexander Hoyt Poole

Kappa Tau Alpha Honor Society 2014–2015 Initiates
Kaitlin R. Albers
Julia Baker
Kendra Lee Benner
Nolan A. Cain
Carolyn Peak Coons
Carol DeSalva
Corinne Dymond
Mary Elizabeth Entwistle
Olivia Anne Farley
Laura Fellwock
Lauren Grady
Kaitlyn Virginia Goforth
Julianna Hill
Sarah Joelle Holstein
Patrick L. James
Alexis B. Jordan
Emily Elizabeth Mann
Italia Suzanne Marr
Samantha Gayle McCormick
Madison L. Mundy
Patricia Kathleen Muse
Nicholas Niedzwiadek
Clayton George Longhill Noblit
Taylor Noel
Samantha Jean Oldroyd
Angelica Ortiz
Michelle Mihyun Park
Bailey Marie Pennington
Cassandra Colleen Perkins
David R. Pingree
Carson L. Rogers
Rachel Helen Sawant Rondeau
Cassie Schutzer
Matthew Shannon
MaryAnne Elizabeth Tatum
Marissa Techmeier
Haley Waxman
Stephanie Zimmerman

The School of Nursing

*The James M. Johnston Distinguished Senior Award in the Nursing Program**
Emily Catherine Morgan

James M. Johnston Undergraduate Nursing Scholar
Emily Catherine Morgan

*The Class of 1956 Livas Award**
Claire Vita Clement

Sigma Theta Tau International, Honor Society of Nursing, Alpha Alpha Chapter

2014–2015 Initiates (MSN, DNP and PhD)
Erin Shoffner Aston
Kimberly Ann Bagley
Heather M. Boykin
Angela Stewart Byrd
Elizabeth Arpe Goodman
Katherine Grace Kropp

Cynthia Dawn Lee
Vicki Marie Mobley
Ashley Leeann Popke
Cassandra Jo Ramm
Linda Knox Sudnik

2014–2015 Initiates (BSN)
Kelsey Laurence Akins
Elizabeth Pope Timberlake Allen
Leigh Ann Allen
Julie Marie Ascik
Megan Nicole Bailey
Kathleen M. Barkley
Terra Scarlette Beek
Margaret Catherine Beeson
Lisa Nicole Bergmann
Jemima Balintongog Boncales
Cheryl E. Boone
Amanda Maria Brescia
Kirbie Lynn Burnett
Hayden Jane Byrd
Lindsay Elizabeth Cannon
Leslie Castrejon
Alexandra Chir
Yvette Chuang
Carly Morgan Collins
Casey R. Collins
Kristin Elise Culbreth
Elizabeth N. Deans
Nickolai C. Detert
Marisa Stirling Dobbins
Sarah Caroline Dunn
Rachel L. Erkes
Isabel Amanda Faircloth
Lauren Susanne Figge
Kasey T. Gragg
Ronnell Deanna Green
Carolyn Jean Grigg
Wenting Han
Sara Ashley Hansen
Ryan Haushalter
Jill Amanda Leckey
Katie Rebecca Lynch
Matthew Marvell
Kyong Sook Maxwell
Kathryn Maeve McGarry
Darbie Elaine McPhail
Taylor Anne Mihok
Veronica Marie Mobley
Kimberly Blythe Moenich
Michela Moneta
Leah Morgan
Sara Thompson Myers
Meghan E. Niles
Mariah Elizabeth Norment
Claire Anna O'Brien
Maria Consuelo Ocampo
Alexis Marie Pagnatta
Esita Yagnesh Patel
Jennifer Elyse Phelan
Christina Marie Pignatiello
Jill Polk
Caroline Shackelford Reid
Emily Holmes Robinson
Sarah Elizabeth Sandlin
Stephanie Saturne
Graciela Sophia Seila
Tamara Joy Sidorov
Amanda Smith
William Harold Smith
Lauren Catherine Somloi
Morgan E. Springer
Julie R. Swaim
Rachel L. Timberlake
John Treece
Jennifer Villegas
Alison Ashworth Walker
Susan Rachel Way
Rebecca Leigh Westerman
Benjamin Michael Woody
Molly Sage Zaslow
Elizabeth Grace Zvara

The Eshelman School of Pharmacy

Asheville Student Award for Excellence
Ciel Eden Santos

Ballenger-Smith Award for Excellence in the Pharmaceutical Care Laboratory
Bryan J. Gendron

F.O. Bowman Award
Mary K. La

T.R. Burgiss Family Award
Bryan J. Gendron

Kristen Carol Burke Memorial Award
Emily Kathryn Monds

Samuel Burrus Award for Community Service
Andrew Turner Beaty

George H. Cocolas Pharmacy Student Body Award
Stacy Saithy Tse

Boka Hadzija Student Excellence Award
Anne Carter Carrington

John T. and Rebecca B. Henley Award in Pharmaceutical Outcomes and Policy
Marti Guidotti

John C. Hood Sr. Award in Practice Advancement and Clinical Education
Carla Michelle Powers

Buxton Williams Hunter Award
Julia Leigh Carrington

Jacobs Award in Medicinal Chemistry
Susan Wolfkamp

Kappa Epsilon Award
Kristina Blanquiz

Molecular Pharmaceutics Achievement Award
Ryan Christopher Danford

Pharmacotherapy and Experimental Therapeutics Award
Monique Rose Conway

Phi Lambda Sigma Leadership Award
Erin May Turingan

Phi Lambda Sigma Pharmacy Leadership Society Class of 2015
Anne Carrington
Julie Carrington
Michael Chargualaf
Bryan Gendron
Marti Guidotti
Melanie Hurtt
Prashanth Iyer
Emily Monds
Tracy Hudson
Mariel Pereda
Stephanie Roach
Audrey Schnell
Alex Sherman
Richard Tran
Erin Turingan
Sara Winters

Rho Chi National Honor Society Class of 2015
Lori Armistead
Mary Banoub
Erin Brewer
Rebecca Call
Michael Chargualaf
Juinting Chiang
Erin Christensen
Monique Conway
Ryan Danford
David Garbarz
Bryan Gendron
Marti Guidotti
Jennifer Hopper
Melanie Hurtt
Javeed Jattan
Mary La
Amanda Lee
Kira Letvak
Mariana Lucena
Margaret MacMillan
Mary McMillan
Emily Monds
David Ogbonna
Caroline Perez
Kevin Poindexter
Johanna Robertson
Elizabeth Tevepaugh
Sarah Timaeus
Stacy Tse
Kylie Weigel
Taylor White
Susan Wolfkamp

Ralph P. Rogers Sr. Award
James Yan-Ling Fok

The Dorothy Virginia Stroud Memorial Award
Andrew Turner Beaty

Office of Professional Education Academic Excellence Award
Taylor F. White

Office of Student Affairs Impact Award
Michael Juan Chargualaf

The Gillings School of Global Public Health

Alumni Association Endowed Scholarship
Ayodeji Sansui, MCH

Alumni Association Spirit of Giving Award
Barbara Wujciak, PHLP

Annual Fund Scholarship
Fadumo Abdi, MCH
Marie Lina Excellent, PHLP
Christopher Nicholaus Ford, NUTR
Jasmin Hainey, HPM
Jessica Yasmine Islam, EPID
Edna Audrey Kavuma, PHLP
Manasi Girish Kulkani, HPM
Sara Nicole Levintow, EPID
Yasameen Panjshiri, MCH
Susannah Zietz, HB

Brendle Brothers Scholarship for Veterans
Eli Richard Lovell, NUTR

Class of 1958 Scholarship
Maya Maritza Espada, HPM
Sarah Rutstein, HPM

Class of 2014 Annual Scholarship
Kelly Elaine Bellomy, NUTR
Amanda Bissell, PHLP
Raven Harris, HPM
Jennifer Hill, HB
Hillary Owino, PHLP
Lindsey Patricia Smith, NUTR
Shriya Soora, HB
Jean Marie Strelitz, EPID

* *Chancellor's Award*

Phoebe Wescott, MCH
Jacob Zisette, HPM

Miriam L. Cole Scholarship Fund
Manish Kumar, PHLP
Ferdinand Reyes, ESE

Delta Omega, Theta Chapter
Elizabeth Marie Alexy, NUTR
Andrew Banks, HPM
Angela Bengtson, EPID
Julia Bernstein, HB
Lindsay Breithaupt, MCH
Christy Bridges, HB
Jessie Buckley, EPID
Sri Hapsari Budisulistiorini, ESE
Sophia Califano, HPM
Megan Clarke Roberts, HPM
Henry Colangelo, PHLP
Tracey Conrad, HPM
Armando Contreras, HPM
Daniel Earl Cooper, NUTR
Gretchen Anne Cowman, HPM
Sayan Dasgupta, BIOS
Eva Fernandez, MCH
Paul Fleming, HB
Jennifer Lyn Drace Frutchey, NUTR
John Gilles, ESE
Rachel Gillman, MCH
Rebecca Gordon, PHLP
Ashley Griffin, HPM
Avner Halevy, BIOS
Margaret Holmes, PHLP
Sarah Iracane, PHLP
Lindsay Marie Jaacks, NUTR
Marvin Joel Jennings, PHLP
Kennan Jones, HPM
Nancy Brittain Kenney, PHLP
Manasi Kulkarni, HPM
Monica Kuroki, ESE
Catherine Lesko, EPID
Margaret Mangus, PHLP
Haylee McBrayer, HPM
Jennifer Moore, PHLP
Amee Patel, PHLP
Kathryn Peebles, HB
John Prieur, HPM
Jessica Rinsky, EPID
Elizabeth Rogawski, EPID
Aydeji Sanusi, MCH
Jocelyn Schnell, HPM
Jamie Smedsmo, ESE
Valerie Smith, BIOS
Alison Smith, HPM
Anna Spier, HB
Jacob Stein, PHLP
Elizabeth Stevens, MCH
Thomas Stewart, BIOS
Xuezheng Sun, EPID
Samantha Tinsley, NUTR
Alice Wang, ESE
MaryWinters, HPM
Jiaqi Xiao, BIOS
Andrew Yosim, ESE

Delta Omega Academic Excellence
Carolina Alvarez, BIOS
Lindsay Britt, HPM
Yuzhi Chen, ESE
Brionna Hair, EPID
Jennifer Moss, HB
Bhavya Reddy, MCH
Rachel Weiner, PHLP
Emily Welker, NUTR

Delta Omega Recognition of Service Award
Brian Barkley, BIOS
Manish Kumar, PHLP
Eli Richard Lovell, NUTR
Tomi Ogunwumiju, HPM
Patsy Polston, ESE
Elena Rivera, HB
Jen Schroeder, MCH
Jonathan Todd, EPID

Delta Omega Undergraduate Recognition Award
Ashley Cairns, ESE
Randi Towns, HPM
Neha Verma, NUTR
Jiejing Zhang, BIOS

Gillings Dissertation Award
Brooke Tompkins Nezami, HB

Gillings Merit Award
Divya Ajay, PHLP
Caroline Rogers Carnevale, HPM
Maya Maritza Espada, HPM
Jessica Friedman, PHLP
Margaret Gichane, HB
Camille Allison Grant, HPM
Joie Hsu, PHLP
Brianna F. Meier, PHLP
Omotomike Ogunwumiju, HPM
Grace Onyebuchi, MCH
Katherine Starr, MCH
Jamaul Antroy Stephens, HPM
Elizabeth Ann Suarez, EPID
Tainayah Thomas, HB

Graduate Education Advancement Board Impact Award
Melissa Crane, HB
Pooja Jani, PHLP
Jayne Jeffries, HB
Jennifer Marie Poti, NUTR
Andrea Starkweather Richardson, NUTR
Kim Angelon Gaetz, EPID

Frank Porter Graham Honor Society
Manish Kumar, PHLP

Robert and Kristen Greczyn Scholarship in Public Health
Joseph Christopher Engeda, EPID

Sandra Winn Green Scholarship
Emily Managone, HPM

Greenberg Award for Excellence in Doctoral Research
Jeanette Anne Stingone, EPID

Harry A. Guess Scholarship
Kevin Leo Houck, EPID

Donald and Jennifer Holzworth Merit Scholarship
Daniel Erim, HPM

Ibrahim Fellowship
Shaina Mitchell, BIOS

James Imhotep Irving Public Service Scholarship
Matthew John Ryan, EPID

B. Erik and Mabel S. Johansson Endowment Fund
Jacob Zissette, HPM
Laura Brandolo Tiezza Gastrell, PHLP

Jamie Kimble Scholarship for Courage
Katie Dight, MCH

Gary G. and Carolyn J. Koch Merit Scholarship in Public Health Award
Nuvan Rathnaya, BIOS

Koch Travel Award
Christine Agnew-Brune, HB
Apostolos Alexandridis, EPID
Sri Hapsari Budisulistiorini, EPID
Shih Ying Chang, ESE
Lindsay Fernández-Rhodes, EPID
Elizabeth Garry, EPID
William Gehard, ESE
Christina Gonzalez, PHLP
Jennifer Hill, HB
Jessica Islam, EPID
Panitan Jutaporn, ESE
Kathleen Kenny, MCH
Emily Magone, HPM
Kyle Messier, ESE
Fang-Shu Ou, BIOS
Hallie Pritchett, PHLP
Diana Sanchez, EPID
Lakshmi Vennam, ESE
Jennifer Yourkavitch, EPID
Yuqiang Zhang, ESE

Naomi R. Kochler Endowment for Professional Development in Nutrition and Women's Health
Jayne Jeffries, HB

Jean T. Lassiter Scholarship
Katherine Schultz, MCH

Fred and Pearle McCall Scholarship
Trinh Lu Le, NUTR

Mihlan Scholarship
Amanda Bissell, PHLP

Elizabeth Reaves Martin Moore Scholarship
Hyun Namkoong, HB

Susanne Moulton and Thomas Wong Endowed Scholarship Fund in Public Health
Meredith Alexis Kirk, HPM
Matthew John Ryan, EPID

Anne Cynthia Price Endowed Fund for Student Travel
Jeanette Reyes, ESE

Dr. Jesse Satia Scholarship
Jedediah Hinkley, HB

Smith Travel Award
Samantha Lynn Tinsley, NUTR

Dr. Curtis Glenn Southard Award
Kathryn Elizabeth Lancaster, EPID

University Cancer Research Fund
Brianne Barbeau, PHLP
Jessica Yasmine Islam, EPID
Heidi Scarsella, PHLP

Robert Verhalen Endowed Scholarship in Injury Prevention/Trauma Management
Rachel Gillman, MCH

White and Wagner Award
William Garneau, PHLP

Derek and Louise Winstanly Scholarship
Makda Majette, PHLP

The School of Journalism and Mass Communication

Furman Bisher Medal
Andrew Tie

John Robert Bittner Award to the Outstanding Senior in Electronic Communication
Elizabeth Tew

Margaret Blanchard Dissertation Support Award
Jesse Abdenour
Sada Reed

O.J. "Skipper" Coffin Award to the Outstanding Senior in News-Editorial Journalism
Dylan Howlett

Loi and H.C. Cranford Jr. Award to the Outstanding Senior in Public Relations
Rachel Jones

Kappa Tau Alpha Honor Society 2014–2015 Initiates
Kaitlin R. Albers
Julia Baker
Kendra Lee Benner
Nolan A. Cain
Carolyn Peak Coons
Carol DeSalva
Corinne Dymond
Mary Elizabeth Entwistle
Olivia Anne Farley
Laura Fellwock
Lauren Grady
Kaitlyn Virginia Goforth
Julianna Hill
Sarah Joelle Holstein
Patrick L. James
Alexis B. Jordan
Emily Elizabeth Mann
Italia Suzanne Marr
Samantha Gayle McCormick
Madison L. Mundy
Patricia Kathleen Muse
Nicholas Niedzwiadek
Clayton George Longhill Noblit
Taylor Noel
Samantha Jean Oldroyd
Angelica Ortiz
Michelle Mihyun Park
Bailey Marie Pennington
Cassandra Colleen Perkins
David R. Pingree
Carson L. Rogers
Rachel Helen Sawant Rondeau
Cassie Schutzer
Matthew Shannon
MaryAnne Elizabeth Tatum
Marissa Techmeier
Haley Waxman
Stephanie Zimmerman

Joy R. Gibson MATC Cohort Award
Tessa McSwain

John L. Greene Jr. Award
Susanna Black
Parth Shah

Larry and Carolyn Keith Award in Sports Journalism
Robert Harms
Ngozika Nwoko

James J. Mullen Award to the Outstanding Senior in Advertising
Angus Robertson

Outstanding MA Graduate
Victoria Fosdal

Outstanding MATC Graduate
Danielle Passingham

Outstanding PhD Graduate
Joseph Cabosky

Minnie S. and Eli A. Rubinstein Research Award
Meghan Sobel

Stuart Sechriest Award to the Outstanding Senior in Visual Communication
Josie Hollingsworth

John Sweeney Experience Fund Award
Bridget Walsh

John Sweeney Interview Fund Award
Dylan Simel

M.S. Van Hecke Award
Megan Cassella

Earl Wynn Creative Broadcasting Award
Charlie Shelton

The School of Social Work

Alumni Development Award
Regina D' Elizabeth Auria

Melvarene J. Howard Adair Scholarship
Theresa Marie Collosso
Annia Cuebas-Colon
Julia Minor Tarr

Jane Hall and William Johnston Armfield Scholarship
Karina Fabiola Alvarado
Olivia Bass
India DePriese Dunn
Whitney Renee McCollum

Berg Scholars Award
Sara Elizabeth Harwood

Annie Kizer Bost Award
Betty Kelly

Amy Louise Brannock MSW Memorial Scholarship Fund
Kayla G. Bryant

Kathleen Price Scholarship
Sherise Baesa De Leon
Sara Elizabeth Harwood
Star Sullivan

Chaney-Jacobs-Preyer Award
Rhiannon Nicole Kelly

Brett Chavis Memorial Scholarship
Jeffery King Neer

Robert and Peggy Culbertson Scholarship
Katherine Falbo-Woodson

Martha Sherrill Dunn Scholarship
Kimberly Autumn Bowers

Bertie Oscar Edwards Scholarship
Aimee Gilliam Fairchild

Joanna Finkelstein Gorham Scholarship
Jacqueline Elaine Bennett
Regina Elizabeth D'Auria
Capricia Collette Davis
Jeffrey Gene Mynhier
Yaneli Crafton Smith

Anne-Linda Furstenberg Qualitative Research Fellowship
William James Hall III (2011)
Rainier De Vera Masa (2011)

Graduate School Merit Assistantship (2011–2012)
Katie Lyn Cotter

Kirsten E. Hewitt Scholarship
Yaneli Crafton Smith

Alan Keith-Lucas Scholarship
Nicole Breanne Felkel
Vickie Pearman Whitley

Jeffrey Langston Scholarship
Emily Ruth Abernathy

James and Connie Maynard Scholarship
Lauren Louise Finn
Melissa B. Kimathi

Robert Ernest McClernon Memorial Fund
Kennetra Keyana Louise Irby
Justin Robert Kretzschmar
Jon-Erik St. Claire Misz
Crystal Kim Randles

Meehan Scholarship
Brittany Teresa Allen
Alexandra Brye Whatley Balkum

Betsy Rogers Millar Scholarship
Courtney Ann Hereford
Hugh MacRae Morton Jr. Memorial Scholarship
Andrew Timothy Heil

North Carolina Center of Excellence in Youth Violence Prevention (NC-ACE) Pre-doctoral Fellowship
Katie Lyn Cotter
Caroline Bill Robertson Evans

Outstanding Doctoral Student Award
Caroline Bill Robertson Evans

Outstanding Doctoral Student Award (2013–2014)
Katie Lyn Cotter

Jane Curtis Parker Award
Jordan Elizabeth Bunch
Caitlin Avery Klein
Rachele Catherine Zecca
Natalie Christine Ziemba

Philanthropic Educational Organization (P.E.O.) Scholar Award
Caroline Bill Robertson Evans

Joan Phillips-Trimmer Scholarship
Jennifer L. Bandzwolek

Ellen E. Power Scholarship
Donald Eugene McDonald

Armfield Reeves Innovation Fund Award (2014–2015)
Rainier De Vera Masa

Sam and Betsy Reeves Doctoral Fellowship
Kanisha Latina Coleman
Katie Lyn Cotter
William James Hall III
Tamara Keondra Hicks
Christina Elyse Horsford
Todd Michael Jensen
Candace Killian Farrell
Wen (Vivien) Li
Brianna Marie Lombardi
Rainier De Vera Masa
Elaina Michele Sabatine
Charity Sneed Watkins
Christopher John Wretman
Kevin Robert White
Shiyou Wu

Kenneth C. Royal Jr. Scholarship
Leah Kathleen Smith

Royster Society of Fellows
Shiyou Wu
Todd Michael Jensen

* *Chancellor's Award*

Janice Hough Schopler Scholarship
Glamarys Eliane Acevedo
Felicia York Brown
Earl Robert Forbes
Portia Sydne Ganpot
Darlene Shovelle Hodges
Michael Lazar
Jamie Persons
Madeline Julianna Serpa
Rosa Stephanie Toledo
Briana Janai Yarber
Hannah Renee Yoder

Social Justice Fund Scholarship
Rosalva Soto

Florence Soltys Memorial Scholarship
Dawn L. Lampman
Jayme Rebeccah Tetro

Springle Memorial Scholarship
Cathy Duyen Nguyen
Rhianna Cohen Rakip

Linda M. Summer Scholarship
Ann Cotton
Nicollette Elizabeth Connelly
Birnettiah F.G. Killens
Caroline Elizabeth Stayer

Leah Tannenbaum Scholarship
Latimer Breck Alexander
Tomeko Michelle Moore
James Douglas Moses

Kristen Marie TenHarmsel Anderson Scholarship
Samantha Marie Watson

Smith P. Theimann Scholarship
Sable Sanders

Walsh-Cioffi Award
Derrell Rashad Pettiway
Tiffany Ruffin

Ellen Black Winston Scholarship
Erin Page Magee

DEPARTMENT OF AEROSPACE STUDIES

*Kenneth C. Royall Award**
Kyle A. Leggett

DEPARTMENT OF ALLIED HEALTH SCIENCES

The June C. Allcott Fellowship
Margaret A. Fitch
Sarah Svetkey van der Horst

Thorpe/Mitchell Diversity Leadership Development Award
Katherine Lemoine

UNC Hospitals Volunteer Association's Allied Health Sciences Fellowship
Lauren Marie Charles
Kelsie Ann Edwards
Abbie Shea Marrale
Amanda Elizabeth McClung
Rachel Laura McDowell
Jamie Lynn Stiller

UNC Hospitals Volunteer Association's Community Service Fellowship
Lucy Michelle Entwistle
Nicole Rose Feehan

DEPARTMENT OF AMERICAN STUDIES

*Peter C. Baxter Memorial Prize in American Studies**
Abigail Cooksey

Creative Writing Awards
See Department of English and Comparative Literature

DEPARTMENT OF ART

*The Alexander Julian Prize**
Diego C. Camposeco

*The Undergraduate Prize in Art History**
Sarah Lee Molina

DEPARTMENT OF BIOLOGY

The Robert Coker Award
Tanner Fadero
Matthew Zipple

The John Couch Award
Meredith McDonald

*The I. R. Hagadorn Award**
Blake Marie Hauser

The Francis LeClair Award
Kevan Schoonover

DEPARTMENT OF BIOMEDICAL ENGINEERING

Flexcell Award
Allie Lynn Pinosky

Lock Award
Stephen Alexander Lee

DEPARTMENT OF BIOSTATISTICS

Kupper Dissertation Award
Zhengzheng Tang

Barry H. Margolin Dissertation Award
Guanhua Chen

DEPARTMENT OF CELL BIOLOGY AND PHYSIOLOGY

NRSA Fellowship (F31) NIH — National Cancer Institute
Matthew Geden

NRSA Fellowship (F31) NIH — National Cancer Institute
James Dunleavey

NRSA Fellowship (F30) NIH — for MD/PhD Students — National Heart, Lung and Blood Institute
Klara Klein

DEPARTMENT OF CLASSICS

*The Eben Alexander Prize in Greek**
Nicole Grace Curtis

The Epps Prize in Greek Studies
Andrew Haynes Fulghum Cabaniss

The Herington Prize in Greek
Emily Elizabeth Fleming

The Herington Prize in Latin
Philip Murray Wilson

The Herington Scholarship
Jaboa M. Little

The Nims Scholarship
Austin Glock Andrews
Allison G. Ditmore
Abigail Laurin Dupree
Amanda Marie Kubic
Jaboa M. Little
Jake Rohde
Philip Murray Wilson

The Manson A. Stewart Undergraduate Award
Allison G. Ditmore
Jake Rohde

*The Albert Suskin Prize in Latin**
Kristina Wendi Cheung

DIVISION OF CLINICAL LABORATORY SCIENCE

Allene W. Alphin Clinical Laboratory Scholarship
Stephanie Leigh Gillette

Jesse C. Alphin Clinical Laboratory Annual Scholarship
Sarah Elizabeth Menz

Molecular Diagnostic Science Corporate Partner Program Scholarships
Natasha Lopes Fischer
Sarah Marie Grove
Carolyn Louise Mains

Outstanding Senior in the Division of Clinical Laboratory Science
Samuel Jonathan Mason

Susan Lanning-Taylor Loyalty Fund Annual Scholarship
Sarah Underwood

RPLA Clinical Laboratory Science Annual Scholarship
Stephanie Breanne Lane

WakeMed Health and Hospitals Clinical Laboratory Science Annual Scholarship
Heyman Israel Peraza Magana

Louise M. Ward Scholarships
Caroline Elizabeth Herderson
Samuel Jonathan Mason
Lauren Elizabeth Wallrichs

DEPARTMENT OF COMMUNICATION STUDIES

*The Wallace Ray Peppers Award in Performance of African and African American Literature**
Karen Ashley Winkfield

DEPARTMENT OF COMPUTER SCIENCE

Computer Science Alumni Fellowship
Jacob Bartel

Charles H. Dunham Scholarship
Haiwei Chen

Stephen F. Weiss Award for Outstanding Achievement in Computer Science
Kevin Valakuzhy

DEPARTMENT OF DRAMATIC ART

The Richard and Christopher Edward Adler Award
Jerome Allen
Christine Marie Barringer
Glennda Campbell
Caroline Rebecca Collins
Samuel Byron Frazelle
Emma Gwynneth Gutt
Cameron J. Kania
Claire Ellen Koenig
Catherine Jean Shocket
Julia Catherine Warren

The Lillian Chason Scholarship
Ashley Nicholl Owen

The Laura Jewell Dobbins Graduate Fellowship
Emily Maria Plonski
Mackenzie S. Kovaka
Jacob Walton

The Ruth and Wes Egan Award
Emerson Jones

Joseph D. Feldman Award
Anthony Cacchione
Camille M. Oswald
Nell C. Ovitt
Mary Staude
Adam John Swez
Simon N. Wolf
Athene Wright

Virginia and George Ferguson Award in Honor of David Hammond
Gregory George DeCandia

The Andy and Cindi Griffith Scholarship
Laura Elizabeth Dromerick
Kelly A. Hynek
Elizabeth Anne Kent
Madison Scace

Frederick M. Koch Memorial Scholarship
Allison C. Altman
Daniel M. Bailin
Myles Bullock
Kathleen Sara Castaldi
Benjamin Richard Curns
Schuyler Scott Mastain

The Louise Lamont Award
Adam John Curry

The Virgil and Marion Lee Fellowship
Benjamin French

The Irene Smart Rains Dramatic Art Award
Katherine Wallace Keener

The Phyllis Rice Ryan Award
Kevin Joseph Oleksy

Samuel Selden Memorial Award
Carey Leigh Cox
Jorge William Donoso
William Thurston Hughes
Caroline Brittany Strange
Arielle Elisa Yoder

Samuel Selden Playwriting Award
Benjamin French

DEPARTMENT OF ECONOMICS

*The Undergraduate Prize in Economics**
Clayton Scott Hackney

DEPARTMENT OF ENGLISH AND COMPARATIVE LITERATURE

Laurence G. Avery Award
Benjamin J. Doty
Ashley K. Reed
Cheryl L. Thayer
Doreen Thierauf

Robert Bain Award in 19th-Century American and Southern Literature
Anneke Ellen Schwob

Doris Betts Award
Benjamin J. Doty

Eugene H. Falk Award for the Best Dissertation in Comparative Literature
Pablo Maurette

Werner P. Friederich Best Undergraduate Essay in Comparative Literature (Literary Traditions)
Laura Kathryn McCready (2014)

James R. Gaskin Award
Susan Bramley Thananopavarn (2014)

Earl Hartsell Award
Laura Joy Broom (2014)

Almonte Howell-Robert Voitle Fellow
Kevin M. Chovanec
Jennifer M. Park

C. Hugh Holman Fellow
Ashley K. Reed

William Dougald MacMillan III Award
Evan August Gurney (2014)
Sarah Elizabeth Marsh (2014)

Ruth Rose Richardson Fellow
Samuel Cody Brock

Fred and Joan Thompson Award
Joseph A. Fletcher
Linda Wagner-Martin Award in 20th-Century Literature
Susan Bramley Thananopavarn

James Lawrence Whitfield Prize in English
Mandy Jane Eidson (2014)

Undergraduate Essay Prize in Comparative Literature
Matthew Andrew Pérez (2014)

Creative Writing Awards

Suzanne Boleh Literary Award
Bradley Allf

Ann Williams Burrus Award
Charles Perkins

*Robert B. House Memorial Prize in Poetry**
Coco Nell Wilder

Robert Ruark Award in Creative Non-Fiction
Stephen Gay

*Louise D. Rubin Jr. Prize in Creative Writing**
Blayne Telling

Bland Simpson Prize in Creative Writing
Samantha McCormick, *first place*
Robert Oren Eades III, *first runner up*

Max Steele Prize in Fiction
Alice Jean Martin

Mini Max Awards
Diana Mellow, *first place*
Xingyue Sarah He, *second place*
Christine Lloyda, *third place*

DEPARTMENT OF ENVIRONMENTAL SCIENCES AND ENGINEERING

Bunker Award
Yuzhi Chen

ESE Achievement Award
Hannah Gordon Leker

DEPARTMENT OF EPIDEMIOLOGY

H. Michael and Barbara Arrighi Endowed Scholarship
Jessica Lynn Rinsky

Coroni-Huntley Scholarship
Elizabeth Tacket Rogawski

Nancy L. Dreyer Scholarship
Marissa Joanna Seamans

Harry A. Guess-Merck Scholarship in Pharmacoepidemiology
Xiaojuan Li

Barbara Sorenson Hulka Dissertation Award
Nabarun Dasgupta

Berton H. Kaplan Student Publication Award
Jin-Liern Hong

Sidney Kark Award for Distinguished Teaching Assistant
Alan Christopher Kinlaw

H. A. Tyroler Endowed Scholarship in Epidemiology
Jessie Poulin Buckley

DEPARTMENT OF EXERCISE AND SPORT SCIENCE

*Patrick F. Carey Award**
Meredith Grace Mock

*Sport Clubs Council Achievement Award**
Camille Elyse Morgan

DEPARTMENT OF GEOGRAPHY

*McNally Award for Excellence in Geography**
Ellen C. Currin

DEPARTMENT OF GEOLOGICAL SCIENCES

*Op White Award**
Sarah Cooley

W.A. Tarr Award
Sarah Hinshaw

DEPARTMENT OF GERMANIC AND SLAVIC LANGUAGES AND LITERATURES

*The Paul Debreczeny Prize in Slavic Languages and Literatures**
Jasmine Lee Trinks

*The Ria Stambaugh Undergraduate Award for Excellence in German**
Mary-Grayson Brook

DEPARTMENT OF HEALTH BEHAVIOR

Dorothy Fay Dunn Scholarship
Hannah Lerner

* *Chancellor's Award*

Hatch-Barnhill Fellowship Award
Giuliana Morales

Kathryn J. Kerr Memorial Scholarship Award
Christy Bridges

DEPARTMENT OF HEALTH POLICY AND MANAGEMENT

AUPHA/McGaw Master's Scholar
Maya Maritza Espada
Meredith Alexis Kirk

AUPHA/McGaw Undergraduate Scholar
Danielle Joan Fishman
Mary Elizabeth Peeler

Clive Boxhill Jr. Scholarship in Health Policy
Caroline Rogers Carnevale

Margaret Dardess and T.E. Smith Scholarship
Emilia Ewokolo Ndely

David-Watson Scholarship
Lee Katherine Ayers
Megan Ann Miller

James P. Dixon Award for Excellence in Education
Karina Shirish Javalkar

Arthur B. Holzworth Endowment Scholarship in Health Leadership
Jacqueline McPherson
Deus Bazira Mubangizi

Jill Kafrissen and Michael Kafrissen Scholarship in Aging and Public Health
Amanda Johnson Thompson

Jacob Koomen Public Health Practice Award
Eduardo Benjamin Puertas

Harry T. Phillips Award for Outstanding Teaching by a Doctoral Student
Racquel Elizabeth Kohler

Benjamin Rodin Scholarship
Christopher James Del Grosso

Gerald D. Studer Undergraduate Student Award
Emily Rose Cerciello

Charles A. Veatch Endowed Scholarship in Health Leadership
Gretchen Anne Cowman
Philip Downs
Koyejo Abiodun Oyerinde

Jean G. Yates Outstanding Doctoral Student Award
Megan Clarke Roberts

Jean G. Yates Public Health Policy Award
Sarai Narvaez

CAROLINA CENTER FOR JEWISH STUDIES

Carolina Center for Jewish Studies Undergraduate Research Award
Stephanie Grant

Elsie Kaplan "Mother" Shapiro ZBT Undergraduate Research and Travel Grant
Sarah Hanvy

DEPARTMENT OF LINGUISTICS

*The Marc Adam Eisdorfer Award in Linguistics**
Amaya O. Madden

DEPARTMENT OF MATERNAL AND CHILD HEALTH

Earl and Gladys Siegel Student Support Fund
Lavanya Gupta
Tracey Zola

Katherine Ann Wildman Memorial Scholarship
Amanda Howell
Katherine Starr

DEPARTMENT OF MATHEMATICS

Alfred T. Brauer Prize
Michael J. Greenberg

*Archibald Henderson Mathematics Medal**
Anja Ellen Katsevich

J. Burton Linker Award
Nathaniel Franklin Bushek

DEPARTMENT OF MICROBIOLOGY AND IMMUNOLOGY

G. Philip Manire Graduate Student Excellence in Research Award
Jon Hagar

Gordon Sharp Innovator Award
Ellen Perkowski – 2014
Nikolas Stasulli – 2015

Graduate School Awards

The Graduate School Dissertation Completion Fellowship
Jason Brunton
Melissa Ellermann
Ellen Perkowski
Shaun Steele

Graduate Education Advancement Board Impact Award
Megan Meyer

DEPARTMENT OF MILITARY SCIENCE

*George C. Marshall Award**
Tyler S. Miranda

DEPARTMENT OF MUSIC

David Arons Award for Excellence in Musical Performance
Alexander Charles Ullman

Fred and Gail Fearing Jazz Studies Award
Daniel Abrams

Danielle Elizabeth Liotta Award
Tanner Clayton Smith

Major Y Award
Tanner Clayton Smith

Music Department Award for Academic Excellence
Jennifer C. Brown

*Earl Slocum Band Award**
Bobby Glenn Warren III

Benjamin Swalin Orchestra Award
Robert J. Garbarz
Erin Lunsford
Alexander Charles Ullman
Stephanie Elizabeth Zimmerman

UNC Band Concerto Competition
Natalie Rose Bader

UNC Band Directors Award
Bradford McCain Dunnagan
Samantha Kelsie Hawkins
Michael Stephen Ray Stock

UNC Opera Award
Kamaira Hartley Philips

UNC Symphony Orchestra Concerto Competition Winner
Pauline Yugung Jung
Alexander Charles Ullman

Other Awards and Honors

North Carolina National Association of Teachers of Singing Auditions
Evan Demetrius Adair, *Second Place, Classical*
Turner Moore Davis, *First Place, Classical*
Kassy Lynn Edwards, *Honorable Mention, Musical Theater*
Madelyn Rose Frumkin, *Third Place, Classical*
Miles Maynard Herr, *First Place, Classical; First Place, Musical Theater*
Kayla Hill, *First Place, Classical*
Robert Cressler Peele, *Second Place, Musical Theater*
Emily Rose Siar, *First Place, Classical*

Mid-Atlantic Regional National Association of Teachers of Singing Auditions
Evan Demetrius Adair, *Honorable Mention, Classical*
Miles Maynard Herr, *First Place, Classical; Third Place, Musical Theater*
Kayla Hill, *First Place, Classical*
Emily Rose Siar, *First Place, Classical*

National Association of Teachers of Singing National Auditions
Miles Maynard Herr, *Semi-Finalist, Classical*
Emily Rose Siar, *Third Place, Classical*

DEPARTMENT OF NAVAL SCIENCE/NROTC

American Legion Military Excellence Medal
Ethan Aron Jarrell

American Legion Military Scholarship Medal
Lonnie Wayne Carraway

American Veterans
Ashley Renae Ross

Captain Tony F. Clark Oceanography Award
Evan Mathias Gumbel

CDR Christopher Mills Memorial Award
Ethan Aron Jarrell

Chief of Naval Operations Distinguished Graduate Award
Ethan Aron Jarrell

Daughters of the American Revolution Medal
Ashley Renae Ross

Hudson Foundation Scholarship Award
Ethan Aron Jarrell

*The Josephus Daniels Scholarship Medal**
Lonnie Wayne Carraway

Maj Bradley Allen Barker III Scholarship Award
Ashley Renae Ross

Patrick Connor Award
Kathleen Craven Canny

Sandra and Charles Julian Wolfe Jr. Scholarship Award
Ashley Renae Ross

Scottish Rite
Lonnie Wayne Carraway

Sons of the American Revolution Medal
Lonnie Wayne Carraway

Veterans of Foreign Wars
Kathleen Craven Canny

DEPARTMENT OF NUTRITION

A. Hughes Bryan Outstanding Doctoral Award in Nutrition
Daniel Earl Cooper
Lindsay Marie Jaacks

Ethel J. Coleman Endowed Scholarship in Nutritional Biochemistry
Samantha Attard
Trisha Grevengoed
Amanda Mah

Joseph Edozien Outstanding Undergraduate Award in Nutrition
Adam Christopher Danley
Neha Verma

MaryAnn C. Farthing MPH Scholarship Award in Nutrition
Kate Marie Abel
Ndang Azang-Njaah
Brittany Ann Crump
Jennifer Lyn Drace Frutchey
Trinh Lu Le
Lisa Ruth Letourneau
Eli Richard Lovell
Alecia Su Wong

Cynthia Kay Reeser MPH Scholarship in Nutrition
Elizabeth Mary Alexy
Billie Lauren Karel

Laurel E. Zaks Global Public Health Nutrition MPH Scholarship
Lisa Ruth Letourneau
Samantha Lynn Tinsley

DIVISION OF OCCUPATIONAL SCIENCE AND OCCUPATIONAL THERAPY

Carolinas Healthcare System/ Carolinas Rehabilitation Occupational Therapy Annual Scholarship
Myranda Conway

Increasing Diversity in Occupational Science and Occupational Therapy Scholarship
Lauren Elizabeth Jones

Marlys Mitchell Scholarship
Christine Bagnall

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

2014 Katherine Pryzwansky Young Investigator Award, Molecular and Cellular Pathology
Julia Elizabeth Gambone Geddings

2014 Robert H. Wagner Scholar Award, Molecular and Cellular Pathology
Julia Elizabeth Gambone Geddings

DEPARTMENT OF PHILOSOPHY

*The Worth Award**
Olivia Leigh Branscum

DIVISION OF PHYSICAL THERAPY

The Sara Fowler Anderson Scholarship in Physical Therapy
Robert Edward Sykes III

Charlotte Money Beauty Memorial Scholarship
Marian Thomas Sudano

The Class of 1964 Physical Therapy Annual Scholarship
Genevieve Gibson Monroe

Diversity Scholarship in Physical Therapy
Jayson Aaron Hull
Gary E. Johnson

Louis and Eleanor Duquette Human Movement Science Annual Scholarship
Derek Pamukoff

Max Asher Gitterman Pediatric Physical Therapy Student Scholar Award
Krissy Ann Ayers

The Vanessa Louise Hall Memorial Scholarship in Physical Therapy at UNC–Chapel Hill
Caitlin Gallagher
Chelsea Jo Parker

Rose and Dave Hamm Annual Scholarship for Clinical Excellence in Physical Therapy
Cara Lillian Hehn

Mabel M. Parker Physical Therapy Annual Scholarship
Lorna Marjorie Troost

Rebecca Irene Sande Scholarships
Monica Leigh Anderson
Krissy Ann Ayers
Corinne Joell Bohling
Annemarie Nicole Erich
Jeremy Craig Evans
Cara Lillian Hehn
Honoreè Dakar McGraw-Beauchamp
Michael Robert Murray
James Bryan Mull
Laura Ellese Nickles
Terra Dare Osmon
Laura Gray Rapp
Chelsea Jo Parker
Megan Collen Schilter
Michelle Jenè Treffer

The Karen St. John Scholarship in Physical Therapy
Mark Lee Boles
Nicole Faye Davis
Patrick Anthony McNamara

UNC Physical Therapy MS STEP UP Scholarships
Corinne Joell Bohling
Heather Eustis
Joseph Williams Miller
Alexis Ann Williams

Judy A. White Professional Development Award
Christopher L. Hope
Holli Marie McClendon
Genevieve Gibson Monroe
Elizabeth Katherine Nixon

DEPARTMENT OF PHYSICS AND ASTRONOMY

Daniel C. Johnson Memorial Outstanding Junior Award in Physics
Tyler Davis Blanton

*Paul E. Shearin Outstanding Senior Award in Physics**
Cora Margaret Went

Robert Shelton Award for Outstanding Research
Travis Allen Berger
Eric Marciano Machado

DEPARTMENT OF POLITICAL SCIENCE

Dean's Distinguished Dissertation Award in the Social Sciences
Sara Julieta Niedzwiecki

*L. Richardson Preyer Award for Excellence in Political Science**
Samantha Jean Hovaniec

DEPARTMENT OF PSYCHOLOGY

David Bray Peele Memorial Research Award
Samuel Brotkin
Teresa Frasca
Meredith Griffin
Sean McWeeny
Jacob West

Department of Psychology Undergraduate Research Grants
Brian Davis
Crystal Ibe

Dunlevie Honors Undergraduate Research Award
Alexander Rennie
Dillon Taylor
Courtney Roof

Honors Undergraduate Research Award
Brian Davis
Crystal Ibe
Sloan Walters

Kimball King Undergraduate Research Award
Emma Rich

* *Chancellor's Award*

DEPARTMENT OF PUBLIC HEALTH LEADERSHIP

Margaret Blee-Ruth Warwick Hay Award
Laura Brandolo Tiezzi Gastrell

Arnold D. Kaluzny PhD Distinguished Alumni Award
Dr. Samantha Meltzer-Brody

Imogene Pence Klingenfus Award
Marisa Feliz Hopper
Linda Mensing

PHLP Travel Award
Hallie Evenstar Ericson Pritchett

Rachel Stevens Scholarship Award
Mara Victoria Howard-Williams

ANCBH Vaughn Upshaw Scholarship
Natalie Morrocu

DEPARTMENT OF PUBLIC POLICY

The Michael A. Stegman Award for Policy Research and Advocacy
Molly Williams

The Kathy A. Taft Education Policy Award
Judith Robbins

DIVISION OF RADIOLOGIC SCIENCE

Buddy Clark Loyalty Fund Radiologic Science Annual Scholarship
Chi Adabel Lee

Dr. Jerry Lambiente Radiologic Science Loyalty Fund Annual Scholarship
Megan Kathleen Brown

The Phyllis Ann Canup Pepper Radiologic Science Memorial Fund Scholarships
Matthew J. Creech

Drs. Jerome Puryear and Latonya Brown-Puryear Endowed Scholarship in Radiologic Science
Meghan Chase Ponder

Tina D. Robbins Memorial Award
Issack E. Boru
Brittney Kara Nicole Del Pizzo
Lauren Elizabeth Fuller
Austin Ray Smith

Joseph Taylor Radiology Student Assistance Fund
Kistner Yvonne Javorski

DIVISION OF REHABILITATION COUNSELING AND PSYCHOLOGY

Educational Planning Symposium Rehabilitation Counseling and Psychology Annual Scholarships
Nicole Rose Feehan
Rachel Sue Jodrey

Dr. Mark C. Fleming Rehabilitation Counseling and Psychology Annual Scholarship
Alyse Janelle Bone

Richard H. Peters Rehabilitation Counseling and Psychology Annual Scholarship
Eden Patience Garner

Peters-Reives Rehabilitation Counseling Psychology Annual Scholarship
Diann Marie Matthews

DEPARTMENT OF RELIGIOUS STUDIES

*The Bernard Boyd Memorial Prize**
Wilson Greene IV

DEPARTMENT OF ROMANCE LANGUAGES AND LITERATURES

*The Camões Prize in Portuguese**
Alex Justin Nusbickel

*The Jacques Hardré Undergraduate Award for Excellence in French**
Abigail M. Dennison

*The Sterling A. Stoudemire Award for Excellence in Spanish**
Jessica Leigh Maldonado

DEPARTMENT OF SOCIOLOGY

*Howard W. Odum Undergraduate Sociology Award (co-winners)**
Aura Victoria Castillo
Yue Yang

DIVISION OF SPEECH AND HEARING SCIENCES

Adult Communications Disorders Annual Scholarship
Robert Benjamin Cavanaugh

Millicent Blair Arnett Memorial Speech-Language Pathology Annual Scholarship
Victoria Leigh Bunting

Audiology Alumni Annual Scholarship
Shauna Jean Dool

Dr. Sylvia Campbell Speech and Hearing Sciences Annual Scholarship
Susan Mason

Diversity Scholarship in Speech-Language Pathology
Joel Dan Fairchild

Robert W. Peters Award
Robert Benjamin Cavanaugh

Janice Rebecca Pettie Bowles Speech and Hearing Sciences Annual Scholarship
Valeriya Yavich

Rebecca Rule Womble Speech and Hearing Sciences Annual Scholarship
Frances Darlene Albanese

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

Mathematical Decision Sciences Award
Michael J. Greenberg
Adam C. Vos

STOR Outstanding Achievement Award
Wanyi Chen
Meilei Jiang
Eric Friedlander

STOR Teaching Award
Gen Li
James Wilson
Liang Yin

DEPARTMENT OF WOMEN'S AND GENDER STUDIES

*The Mary Turner Lane Award in Women's and Gender Studies**
Rebecca Marie Mitchell

DEPARTMENT OF ATHLETICS

Wells Fargo Postgraduate Scholarship
Loren Shealy (Field Hockey)

2014–2015 Athletic Director's Scholar-Athlete Awards
Frank Abbondanza (Wrestling)
Kristin Aloi (Gymnastics)
Jonathan Campbell (Men's Soccer)
Allen Champagne (Football)
Kelly Corish (Women's Swimming and Diving)
Ashley Dai (Women's Tennis)
Esben Hess-Olesen (Men's Tennis)
Joseph Hutchinson (Men's Track and Field)
Tyler Hill (Men's Swimming and Diving)
Erika Johnson (Women's Basketball)
Chaney LaReau (Volleyball)
Scott Morgan (Men's Cross Country)
Benton Moss (Baseball)
Sarah Priest (Rowing)
Robert Register (Men's Golf)
Lauren Roberts (Women's Track and Field)
Morgan Rubin (Women's Lacrosse)
Maia Schechter (Women's Golf)
Sasha Seymore (Men's Basketball)
Matthew Shannon (Men's Lacrosse)
Loren Shealy (Field Hockey)
Julie Swaim (Women's Cross Country)
Sarah Thompson (Women's Soccer)
Maura Thornton (Women's Fencing)
Lauren Walker (Softball)
Parker Williams (Men's Fencing)

2014–2015 Richard A. Baddour Carolina Leadership Academy Leaders of Distinction
Jake Bernstein (Men's Fencing)
Brian Bollerman (Men's Swimming and Diving)
Acacia Cosentino (Gymnastics)
Kelly Corish (Women's Swimming and Diving)
Margaret Corzel (Women's Lacrosse)
Esben Hess-Olesen (Men's Tennis)
Annie LeHardy (Track and Field)
Jake Matthai (Men's Lacrosse
Patrick Myers (Men's Swimming and Diving)
Boyd Okwuonu (Men's Soccer)
Ryan Ramsey (Men's Track and Field)
Maia Schechter (Women's Golf)
Danielle Siverling (Women's Swimming and Diving)
Maura Thornton (Women's Fencing)
Trent Thornton (Baseball)
Samantha Travers (Field Hockey)
Alex Utley (Wrestling)
Parker Williams (Men's Fencing)
Haley Watts (Gymnastics)

2014–2015 Team Captains

Baseball
Trevor Kelly
Benton Moss

Men's Basketball
Desmond Hubert
Marcus Paige
Jackson Simmons

Women's Basketball
Megan Buckland
Danielle Butts
Latifah Coleman
Brittany Rountree

Men's Cross Country
Ryan Walling

Women's Cross Country
Annie LeHardy

Men's Fencing
Epee: Collins Allison, Parker Williams
Foil: Jake Bernstein, Ezra Baeli-Wang
Sabre: Mason Erb, Gordon Long

Women's Fencing
Epee: Sarah Flinn, Kelley Hamil
Foil: Gabrielle D'Astoli, Amanda Lalezarian
Sabre: Gillian Litynski, Maura Thornton

Field Hockey
Abby Frey
Samantha Travers

Football
Ethan Farmer
Mack Hollins
Norkeithus Otis
Landon Turner
Marquise Williams

Men's Golf
Brandon Dalinka
Bailey Patrick
Robert Register
Reeves Zaytoun

Women's Golf
Maia Schechter
Elizabeth Mallett

Gymnastics
Acacia Costentino
Halye Watts

Men's Lacrosse
Jake Bailey
Ryan Kilpatrick
Joey Sankey
Jimmy Bitter

Women's Lacrosse
Brittney Coppa
Margaret Corzel
Kelly Devlin
Sarah Scott

Rowing
Alexis Amato
Sarah Eastley
Ali Margherio
Victoria McGee
Katherine Summerton
Kylee Wooten

Men's Soccer
Rob Lovejoy
Boyd Okwuonu

Women's Soccer
Katie Bowen
Brooke Elby
Satara Murray
Kat Nigro

Softball
Kati Causey
Jenna Kelly
Amber Parrish
Jordan Scarboro
Lauren Walker

Men's Swimming and Diving
Mitch DeForest
Patrick Myers

Women's Swimming and Diving
Kelly Corish
Danielle Siverling

Men's Tennis
Esben Hess-Olesen
Ronnie Schneider

Women's Tennis
Caroline Price

Men's Track and Field
Devon Carter
AJ Hicks
Ryan Ramsey

Women's Track and Field
Cori Floyd
Cameron Overstreet
Xenia Rahn

Volleyball
Jordyn Schnabl
Ece Taner

Wrestling
Frank Abbondanza
Chris Mears
John Michael Montgomery
Joey Ward

* *Chancellor's Award*

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Commencement Committee

Ronald P. Strauss, *Chair*
Jenny Cobb Adams
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Angelyn (Angie) S. Bitting
Simon John Bloor
Bruce Cairns
Shelby Dawkins-Law
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
C. Hawkins
Deborah L. Hawkins
Leslie S. Lerea
Ying Lin
Brandon Linz
H. Brent McKnight Jr.
Karen Moon
Mark Moon
Laura Hayes Morgan
Valerie A. Price
James I. Spurling
Frederick N. Stipe
Sidney W. Stone
Charles Streeter
Houston Summers
Dillon Vess
Kyle Villemain
Stacey Harris Warner

Credits

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This program was printed without the use of state funds.

THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

THE GRADUATE SCHOOL

2015

DOCTORAL HOODING CEREMONY

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Saturday, May Tenth • Two Thousand Sixteen

THE GRADUATE SCHOOL

2015

DOCTORAL HOODING CEREMONY

THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

Saturday, May Ninth • Two Thousand Fifteen

MESSAGE *from the* CHANCELLOR

Welcome to your Tar Heel hooding ceremony. Each of you has accomplished so much in your years at Carolina, and nothing could be finer than to celebrate your commencement today.

Families and friends of our doctoral students, no one could believe more in their capacity and character than you. On behalf of Carolina faculty and staff, thank you for the support and encouragement you gave them and congratulations as you also make a life transition.

Doctoral students, thank you for the extraordinary contributions you have made to the University community during your time here. You have contributed to our mission of teaching and service, in addition to your own studies, which have helped create new knowledge. You depart with the personal and professional connections that will be a lasting part of your life and career. Carolina has been your home for a few years, but you will always be part of the Carolina family.

Please keep in touch and visit Chapel Hill. We will be here, eager to help and applaud your success. Congratulations!

Carol L. Folt

CAROL L. FOLT

MESSAGE *from the* GRADUATE DEAN

Congratulations, doctoral graduates! You made it and your efforts have paid off. Today, our university's graduate education community and your family and friends join in celebrating your truly remarkable achievement.

What you have accomplished in your years at Carolina will resonate for your entire lifetime. And it resonates within your university: Through the diligent pursuit of your research, you have advanced important new knowledge in your academic fields that benefits North Carolina and places far beyond.

In the process, you've also discovered new knowledge about your talents, your determination and your own personal capabilities that you likely could not have imagined when you began this journey.

Now, as doctoral alumni, you bring your innovative ideas to a world that truly needs them. I join the faculty members who have mentored you and collaborated with you in wishing you the very best of success as you go forward from this day.

Steven W. Matson

STEVEN W. MATSON

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ALMA MATER

The words of "Hark the Sound," UNC–Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

For Your Information

The Commencement ceremony will be captioned on the video screens.*

Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

This Commencement program is printed prior to administering final examinations. Therefore, the inclusion of degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

Diplomas for undergraduate, master of science and master of arts degrees will be printed after Commencement and mailed to graduates. Graduates with professional, doctoral and master's degrees that contain an area of study in the degree, such as Master of Accounting, may receive their diplomas in a special departmental or school ceremony. Or they may pick up a diploma from the Office of the Registrar in the Student and Academic Services building from 11:30 a.m. until 2 p.m. on Commencement Sunday. Remaining diplomas will be available in the Registrar's Office through May 31, after which time they will be mailed to each graduate's home address as listed in ConnectCarolina.

** Captioning by Caption Perfect and MarchingOrders.*

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The DOCTORAL HOODING PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, Director
Academic Procession	The Faculty Marshal—Valerie Ashby, *Professor and Chair, Department of Chemistry* The Official Platform Party The Deans The Faculty The Candidates for the Degree of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health GRADUATE MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS.
Presiding	Carol L. Folt, *Chancellor, The University of North Carolina at Chapel Hill*
National Anthem	Charlotte Jackson, *Bachelor of Music*
Remarks	For the Board of Trustees of The University of North Carolina at Chapel Hill W. Lowry Caudill, *Chair*
Introduction of the Commencement Speaker	Shelby Dawkins-Law, *President, Graduate and Professional Student Federation*
Commencement Address	Susan A. Murphy, *H.E. Robbins Distinguished University Professor of Statistics, Professor of Psychiatry, Research Professor, University of Michigan; Principal Investigator, Pennsylvania State University Methodology Center*
Conferring of Doctoral Degrees	Carol L. Folt, *Chancellor* James W. Dean Jr., *Executive Vice Chancellor and Provost* David Pfennig, *Caroline H. and Thomas S. Royster Distinguished Professor for Graduate Education, Biology* Steven W. Matson, *Dean of The Graduate School*
Presentation of the Faculty Award for Excellence in Doctoral Mentoring	Steven W. Matson, *Dean of The Graduate School*
Chancellor's Charge to the Graduates	Carol L. Folt, *Chancellor*
Recessional	*Hark the Sound* Charlotte Jackson

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?" In her first year as chancellor, Folt — an internationally recognized environment scientist, award-winning teacher and accomplished administrator — has worked to fulfill that charge by preserving and expanding Carolina's academic excellence and innovation, access and affordability, and deep commitment to the state.

Under her leadership, the University received 31,000 applications for the Class of 2018 — breaking the previous year's record for the ninth consecutive time. Faculty ranked seventh nationally and first in the South for 2013 research grants awarded by the National Institutes of Health. New investments have made Carolina's science, technology, engineering and math curriculum one of the top in the country. And the University's commitment to its public service mission has never been stronger, as illustrated by the School of Government's work supporting local governments and communities, and by expanding programs like the Carolina College Advising Corps, which provides college advising for the state's high-school students.

Folt has met with hundreds of students, faculty, staff, alumni and supporters, championing the importance of the University's research mission for North Carolina's economy. She has also focused on improving undergraduate graduation rates — particularly low-income, first-generation and underrepresented students — and on comprehensively addressing past academic and athletic irregularities.

Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt has represented the University in the national dialogue about higher education, joining other leaders at White House meetings on topics as diverse as preserving accessibility to an affordable college degree and protecting students from sexual assault.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013, Dartmouth Professor of Biological Sciences, and a faculty member and administrator for 30 years.

An Akron, Ohio, native, Folt is a proud product of public higher education. Her parents were the first in their families to attend college. She worked her way through the University of California at Santa Barbara as a waitress, earning a bachelor's degree in aquatic biology in 1976 and a master's degree in biology two years later. She received her doctorate in ecology from the University of California at Davis and did postdoctoral work at the W.K. Kellogg Biological Station of Michigan State University.

Her research has focused on the effects of dietary mercury and arsenic on human and ecosystem health, salmonid fisheries management and restoration, and global climate change. She is a fellow of the American Association for the Advancement of Science.

Folt is married to David Peart, a professor of biological sciences at Dartmouth. They have two adult children, Noah and Tessa.

STEVEN W. MATSON

The Dean of The Graduate School

Steven W. Matson has served as dean of The Graduate School since 2008. He joined the UNC–Chapel Hill faculty in 1983.

Matson also is a professor in the Department of Biology in the College of Arts and Sciences, where he served as chair from 2002 to 2008. A biochemist by training, his research focuses on DNA repair, conjugative DNA transfer and the enzymatic mechanisms and biological roles of DNA helicases.

He is a recipient of the American Cancer Society Faculty Research Award and has served as a reviewer for the National Institutes of Health, the National Science Foundation and the American Cancer Society, in addition to a wide range of journals including the Journal of Molecular Biology, Biochemistry, Proceedings of the National Academy of Sciences and the Journal of Biological Chemistry, where he was an editorial board member from 2000 to 2005.

At Carolina, Matson has taught a variety of courses, including Current Topics in Biology, Advanced Molecular Biology, Advanced Cell Biology and honors sections of Genetics and Molecular Biology. A past recipient of the University's Tanner Award for Excellence in Undergraduate Teaching, Matson has served on a number of campus committees.

On the national level, he serves on the Council of Graduate Schools (CGS) Board of Directors. Made up of more than 500 institutions of higher education in the United States and Canada, the CGS's mission is to improve and advance graduate education, through advocacy in the federal policy arena, research and the development and dissemination of best practices. Matson also serves on the Boards of Directors for the Graduate Record Exam and for the TOEFL English language test.

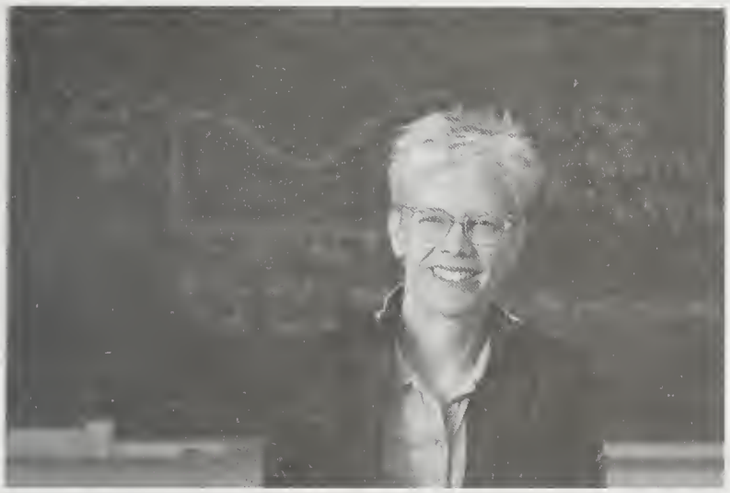
As dean of The Graduate School, he has led interdisciplinary efforts focused on extending critical support to graduate students, including creation of a Summer Research Fellowship program, designation of five-year Chancellor's Fellowships within the Royster Society of Fellows and the introduction of new professional development opportunities for graduate students such as the Richard Bland Fellowship Professional Pathways Program. In fall 2014, The Graduate School announced the creation of the Harold J. Glass USAF Faculty Mentor/Graduate Fellow Distinguished Term Professorship, which also provides for a graduate fellowship.

Matson and his graduate dean colleagues across the state implemented Graduate Education Day at the Capitol in 2011.

A native of Coos Bay, Ore., Matson earned a bachelor's degree in mathematics from Colgate University. His master's and doctoral degrees are from the University of Rochester, both in biochemistry.

SUSAN A. MURPHY

The Doctoral Hooding Ceremony Speaker



Susan A. Murphy, a statistician and UNC–Chapel Hill alumna, was named a 2013 John D. and Catherine T. MacArthur Foundation Fellow for breakthroughs that may help clinicians more effectively assess and adapt treatment of chronic and relapsing diseases.

Murphy received her doctorate in statistics from UNC–Chapel Hill. She is the H.E. Robbins Distinguished University Professor of Statistics, a professor of psychiatry and a research professor, all at the University of Michigan. She also is a principal investigator with the Pennsylvania State University Methodology Center.

Murphy's distinguished fellowship recognized her work in designing the Sequential Multiple Assignment Randomized Trial, or SMART. This statistics-based approach collects and analyzes a patient's health data over time, and provides guidance on the possible need to change treatment or on how long current treatment should continue.

In announcing the fellowship, the MacArthur Foundation said, "Using SMART, clinicians assess and modify patients' treatments during the trial, an approach with potential applications in the treatment of a range of chronic diseases – such as ADHD, alcoholism, drug addiction, HIV/AIDS and cardiovascular disease – that involve therapies that are regularly reconsidered and replaced as the disease progresses."

In October 2014, Murphy was elected to membership within the Institute of Medicine of the National Academies.

"The knowledge Dr. Murphy has created will have major implications for medicine, and also for other fields in which researchers are tackling challenges requiring careful analysis of information captured at different times," said Steven W. Matson, dean of The Graduate School at UNC–Chapel Hill.

Photo courtesy of the John D. and Catherine T. MacArthur Foundation

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The Graduate School

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Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Garrett Robert Ainslie, *Toxicology,* A Translational Approach to Assess the Risk of Dietary Substance-Drug Interactions. Professor Mary F. Paine.

Santiago Anria, *Political Science,* Social Movements, Parties and the Left in Latin America: The Bolivian MAS (Movement Toward Socialism) in Comparative Perspective. Professor Evelyne Huber.

Marios Antoniou, *Education,* The Prospects for Peace Education in Cyprus: Exploring the Potential for Future Unified Education Through the Examination of a Bi-Communal School. Professor Lynda Stone.

Katherine J. Arpen, *Art History,* Pleasure and the Body: The Bath in 18th-Century French Art and Architecture. Professor Mary D. Sheriff.

Lydia Tatiana Aybar, *Microbiology and Immunology,* Characterization of Regulatory B Cells in Patients With Anti-Neutrophil Cytoplasmic Autoantibody Vasculitis. Professor Ronald Falk.

Jacob William Bartel, *Computer Science,* Predictions to Ease User's Effort in Scalable Sharing. Professor Prasun Dewan.

Amanda Katharine Bean, *Education,* "The Bridge Between Sessions": The Nature of Discourse in a Novice Teachers' Blended Community of Practice. Professor Jocelyn Glazier.

John Doyle Beard, *Epidemiology,* Military Service, Deployments and Exposures in Relation to Amyotrophic Lateral Sclerosis Etiology and Survival. Professor Lawrence S. Engel.

Joshua Eugene Beaver, *Chemistry,* The Development of Receptors for Posttranslationally Modified Peptides in Water. Professor Marcey L. Waters.

Charles Micha Belden, *Health Policy and Management,* Organizational Determinants of Minority Participation in Clinical Research. Professor Bryan J. Weiner.

Angela Marie Bengtson, *Epidemiology,* cART Initiation During Pregnancy Among HIV-Infected Women in Lusaka, Zambia: The Impact of Duration of cART on Pregnancy Outcomes and Predicting Postpartum Loss to Follow Up. Professor Audrey Pettifor.

Laya R. Bhavaraju, *Toxicology,* Examination of Diesel and Biodiesel Exhaust Exposure Induced Disruption of Lipid Arachidonic Acid Metabolism. Professor Frank Church.

David Bockino, *Mass Communication,* "The Noble Path": Journalism Education and Journalism Students in the United States and India. Professor Daniel Kreiss.

Lisa Mullen Bono, *Biology,* Competition and the Evolution of Novel Resource Use: An Experimental Test in a Virus. Professors Christina L. Burch and David W. Pfennig.

Adrian D. Bridges, *Education,* The Relationship Between Collaborative Learning and Self-Regulated Learning During Adolescence: A Meta-Analytic Review. Professor Jeffrey A. Greene.

Francisco Brignole, *Romance Languages and Literatures,* Nuevos Rumbos en la Novela del Exilio Latinoamericano de la Postdictadura (1990–2014). Professor Oswaldo Estrada.

Lena Jeanette Brown, *English,* Kicking Ass is Comfort Food: Television and the Feminist Heroick. Professor Todd Taylor.

Jason Brunton, *Microbiology and Immunology,* Identifying Host and Bacterial Factors Required for Francisella tularensis Intracellular Growth. Professor Thomas Kawula.

Sri Hapsari Budisulistiorini, *Environmental Sciences and Engineering,* Real-Time Chemical Characterization of Atmospheric Organic Aerosol in the Southeastern United States by Aerosol Mass Spectrometry. Professor Jason D. Surratt.

Evan L. Busch, *Epidemiology,* Markers of Epithelial-Mesenchymal Transition and Colorectal Cancer Mortality: Time-to-Event and Latent-Class Analyses. Professor Robert S. Sandler.

Nathaniel Bushek, *Mathematics,* Descending G-equivariant Line Bundles to GIT Quotients. Professor Shrawan Kumar.

Joshua Kalin Busman, *Musicology,* (Re)Sounding Passion: Listening to American Evangelical Worship Music (1997–2015). Professor Mark Katz.

Tessa Marie Carducci, *Chemistry,* Electron Transfers Between Small Nanoparticles. Professor Royce W. Murray.

Sarah Apffel Cegelski, *Romance Languages and Literatures,* Monstrosity and Identity in the Comedias of Lope de Vega. Professor Carmen Hsu.

Adriana Nicole Cerami, *Romance Languages and Literatures,* Mafia Motifs in Andrea Camilleri's Detective Montalbano Novels: From the Culture and Breakdown of Omerta to the Mafia as a Scapegoat for the Failure of State. Professor Ennio I. Rao.

Ashley Chaifetz, *Public Policy,* The Food Safety Policy Gap: Essays on Emergency Food in North Carolina. Professor Pamela Jagger.

Roy Anthony Charles, *Education,* Exploring Proximal Influences on the Academic and Research Career Choices of African American Female Graduate Students. Professor George Noblit.

John Cluverius, *Political Science,* Grassroots Lobbying and the Economics of Political Information in the Digital Age. Professor Thomas M. Carsey.

Amanda Barnes Cook, *Political Science,* Breastfeeding, Feminism and Political Theory. Professor Susan Bickford.

Erin Elizabeth Cooley, *Psychology,* More People but Less Mind: How Number Affects Mind Perception and Decisions to Harm. Professor Brian Keith Payne.

MUSIC

On Commencement weekend, graduates, families and friends will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Doctoral Hooding ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Konigsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Konigsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

Daniel Earl Cooper, *Nutrition*, Physiological Consequences of Compartmentalized Glycerolipid Synthesis. Professor Rosalind A. Coleman.

Anna B. Cope, *Epidemiology*, Assessment of HIV Transmission and Diagnosis Patterns in North Carolina. Professor William C. Miller.

Katie L. Cotter, *Social Work*, Adolescent Female Aggression: Measurement, Relational Risk and Promotive Factors and Risk Pathways. Professor Paul R. Smokowski.

Melissa Marie Crane, *Health Behavior*, Improving Men's Health Through Weight Control: Randomized Trials Testing Recruitment Messaging and a Novel Weight Loss Intervention. Professor Deborah F. Tate.

Emily Rose Cranford, *Romance Languages and Literatures*, I Am Myself the Matter of My Book: Gender, Friendship and Writing in Hélisenne de Crenne and Marie de Gournay. Professor Hassan Melehy.

Stacey Leigh Cutbush, *Health Behavior*, Teen Dating Violence Perpetration Among Middle School Youth: The Role of Bullying, Sexual Harassment and Gender. Professor Vangie Foshee.

Danielle O. Dean, *Psychology*, Utilizing Multilevel Event History Analysis to Model Temporal Characteristics of Friendships Unfolding in Discrete-Time Social Networks. Professor Daniel J. Bauer.

Jennifer Caraway Deese, *Epidemiology*, Inflammation of Innate Immune Responses in the Female Genital Tract: Association With Use of Injectable Progestin-Only Contraception, Reproductive Tract Infections and Risk of HIV Acquisition. Professor William Miller.

Svetoslav Misak Derderyan, *Political Science*, The Effects of the European Union on Corruption Control in Central and Eastern Europe Before and After Accession. Professor Milada Vachudova.

Mathieu Ronald Despard, *Social Work*, Evidence-Based Practice in Nonprofit Human Service Organizations. Professor Gina Chowa.

Joy Elizabeth Diamond, *Speech and Hearing Sciences*, Examining Language and Literacy Profiles of Adolescent Struggling Readers. Professor Karen Erickson.

Anthony M. Diercks, *Economics*, Asset Price and Macroeconomic Policy. Professors Patrick Conway and Max Croce.

Adam H. Domby, *History*, War Within the States: Loyalty, Dissent and Conflict in Southern Piedmont Communities, 1860–1876. Professors W. Fitzhugh Brundage and Joesph Glatthaar.

Kerry M. Dorr, *Genetics and Molecular Biology*, Characterization of the CASZ1-Dependent Mechanisms Essential for Cardiomyocyte Development. Professor Frank Conlon.

Mingsong Dou, *Computer Science*, Enhanced 3D Capture of Room-Sized Dynamic Scenes With Commodity Depth Cameras. Professor Henry Fuchs.

Bart Hayden Dunlap, *Physics*, The Origin of Carbon-Atmosphere White Dwarfs With Implications for Type Ia Supernovae. Professor J. Christopher Clemens.

Shannon Camille Eaves, *History*, "A Sad Epoch in the Life of a Slave Girl": The Sexual Exploitation of Enslaved Women and Its Impact on Slaveholding and Enslaved Communities. Professor Heather A. Williams.

Magdalena Alyssa Ellis, *Geological Sciences*, Evolution of Active Fault Systems and Their Topographies. Professor Kevin Stewart.

Derek Andrew Epp, *Political Science*, Information Processing and the Instability of Political Outcomes. Professor Frank R. Baumgartner.

Caroline Bill Robertson Evans, *Social Work*, Bystander Behavior and Victim Coping Strategies: A Mixed-Methods Study of Rural Bullying. Professor Paul Smokowski.

Xiangyu Fan, *Information and Library Science*, Influences of Serendipity on Consumer Medical Information Personalization. Professor Javed Mostafa.

Adam James Filgo, *Toxicology*, Early Life Chemical Exposures and Latent Mammary Gland Effects in Male and Female Rats. Professors Suzanne Fenton and William Kaufmann.

Christopher Nicholaus Ford, *Nutrition*, Post-Millennial Beverage Trends and the Relationship Between Price and Food/Beverage Intakes and Purchases in the U.S. Preschooler. Professor Barry M. Popkin.

Amber Frick, *Pharmaceutical Sciences*, Cellular Genomics Approaches for Defining Susceptibility and Resistance to Chemotherapeutic Toxicity in Immune Cells. Professor Timothy Wiltshire.

Ellen Gutman Galantucci, *Political Science*, Normal Winners: The Strategies of Strong Candidates. Professor James A. Stimson.

Lauren Garrett, *English*, In Praise of Debt: Affective Economics in Early Modern English Literature. Professor Mary Floyd-Wilson.

Justin David Garwood, *Education*, Classroom Management for Rural Students With or at Risk for Emotional and Behavioral Disorders: A Longitudinal Study Across Early Elementary School. Professor Lynne Vernon-Feagans.

Grant Allen Gearhart, *Romance Languages and Literatures*, The Knight and War: Alternative Displays of Masculinity in El Passo Honroso de Suero de Quiñones, El Victorial and the Historia de los Hechos del Marqués de Cádiz. Professor Frank A. Dominguez.

Nathan James Gesmundo, *Chemistry*, The Development of Complexity Generating Organic Photoredox Transformations and the Application of These Transformations in Complex Molecule Synthesis. Professor David A. Nicewicz.

Abhinav Golas, *Computer Science*, Modeling of Complex Large-Scale Flow Phenomena. Professor Ming C. Lin.

Shiho Goto, *Exercise and Sport Science*, The Effects of an Integrated Exercise Program on Lower Extremity Biomechanics in Females With Medial Knee Displacement. Professor Darin A. Padua.

Shannon Colleen Grabich, *Epidemiology*, Associations Between Hurricane Weather Exposure and Pregnancy Outcome: Demonstration of Ecological and Individual-Level Methods. Professor Whitney R. Robinson.

Alexandra Elizabeth Graddy-Reed, *Public Policy*, The Private Provision of Public Goods: Three Essays on the Evolving Public Economics of Philanthropy. Professor Maryann P. Feldman.

Oleg Gredil, *Business Administration*, Market-Timing and Agency Costs: Evidence from Private Equity. Professor Gregory W. Brown.

Trisha J. Grevengoed, *Nutrition*, Flawed Phospholipid Formation or Faulty Fatty Acid Oxidation: Determining the Cause of Mitochondrial Dysfunction in Hearts Lacking ACSL1. Professor Rosalind A. Coleman.

Andrew Eugene Haeberlin, *History*, Towards a Post-Nazi Education: Administrators Rebuild the German School System 1945–1949. Professor Konrad H. Jarausch.

Alison Renee Hafera, *Art History*, Visual Mediations of Mourning and Melancholia in France, 1790–1830. Professor Mary Sheriff.

William James Hall, *Social Work*, The Implementation and Effectiveness of Policy Interventions for School Bullying. Professor Mimi Chapman.

Ryan Alexander Hallett, *Biochemistry and Biophysics*, Design, Improvement and Benchmarking of a Light-Induced Heterodimer: The Awakening of iLID. Professor Brian Kuhlman.

Sean M. Hanley, *Health Behavior*, Community-Based Approaches to Prevention: Linking Coalition Capacity, Community Readiness and Implementation to Reductions in Adolescent Alcohol Use. Professor J. Michael Bowling.

Christopher Harrison, *Education*, The Discourse of Teacher Policy Reform: An Analysis of Policy Narratives Surrounding Tenure Elimination, Performance Pay and Performance-Based Evaluation in Three States. Professor Lora Cohen-Vogel.

Cassandra Hartblay, *Anthropology*, Inaccessible Accessibility: An Ethnographic Account of Disability and Globalization in Contemporary Russia. Professor Michele Rivkin-Fish.

Zhijian He, *Pharmaceutical Sciences*, Poly(2-oxazoline)s as New Drug Delivery Systems. Professor Alexander Kabanov.

Tandrea Sharrell Hilliard, *Health Policy and Management*, Examining Rural vs. Urban Disparities in Community-Based Helper Support and Residential Care Transitions Among Medicare Beneficiaries With Dementia and Functional limitations. Professor Peggye Dilworth-Anderson.

Renske Suzanne Hoedemaker, *Psychology*, Effects of Meaning-Based Relationships and Goal-Driven Processing on Semantic Priming on Ocular Response Tasks. Professor Peter C. Gordon.

Jin-Liern Hong, *Epidemiology*, Breast Cancer Risk After Metformin Initiation in Older Women: The Role of Study Design, Potential Confounding by Body Mass Index, and Differential Detection. Professor Til Stürmer.

Margot E. Howard, *Business Administration*, Are Firms Stockpiling Foreign Earnings? Professor Douglas A. Shackelford.

Nicholas O. Howard, *Political Science*, Members and Leaders in Senate Obstruction. Professor Jason M. Roberts.

Marc Alan Howlett, *City and Regional Planning*, Freight Planning and the Metropolis: The Role of Metropolitan Planning Organizations in Regional Freight Transportation Planning. Professor Daniel A. Rodriguez.

Kuan-Chieh Huang, *Biostatistics*, Statistical Methods for Genetic and Epigenetic Association Studies. Professor Yun Li.

Shunping Huang, *Computer Science*, Correcting Reference Bias in High-Throughput Sequencing Analysis. Professor Wei Wang.

Catherine A. Hughes, *Musicology*, Branding Brussels Musically: Cosmopolitanism and Nationalism in the Interwar Years. Professor Annegret Fauser.

Richard Shane Hutton, *Psychology*, Modeling Bachelor's Degree Completion Rates of North Carolina Community College Transfer Students Using a Discrete-Time Survival Analysis. Professor Abigail Panter.

Michael Dela Iglesia, *Genetics and Molecular Biology*, A Genomic Approach to the Identity, Clonal Diversity and Clinical Import of Tumor-Infiltrating Lymphocytes in Human Cancers. Professor Charles Perou.

Anne-Martine Sherbeck Jackson, *Chemistry*, Utilizing Functionalization to Access Advanced Materials Properties. Professor Valerie S. Ashby.

Adrianne Kathleen Jacobs, *History*, The Many Flavors of Socialism: Modernity and Tradition in Late Soviet Food Culture, 1965–1985. Professor Donald J. Raleigh.

Sara Louise Juengst, *Anthropology*, Community and Ritual on the Copacabana Peninsula (800 BC – AD 200). Professor Dale L. Hutchinson.

Dimitris Katsoridas, *Economics*, Applications of Generalized Fiducial Inference in High Frequency Data. Professor Jan Hannig.

Stefanos Kechagias Athanasopoulos, *Statistics and Operations Research*, Studies in Multidimensional Stochastic Processes: Multivariate Long-Range Dependence and Synthesis of Gaussian Random Fields. Professor Vladas Pipiras.

Tayler Marie Kent, *Germanic Languages*, Theater of Infection: Illness and Contagion in German Drama Around 1800. Professor Jonathan Hess.

Rajat Khanna, *Business Administration*, Learning From Small Failures: Role of Relatedness, Familiarity and Structure of Knowledge Base. Professor Atul Nerkar.

HyoSun Kim, *Mass Communication*, Whom Do You Follow? Examining Social Distance in Facebook Friendship and Its Influence on Brand Message Adoption. Professor Francesca Dillman Carpentier.

Stella Soojin Kim, *Romance Languages and Literatures*, Gender, Bodies, Sex, Technology: Dismantling Heterosexual Male Subjectivity and Desire in Transnational Film. Professor Samuel Amago.

Jessica L. Kinard, *Speech and Hearing Sciences*, Start That Coexistence: Three Studies of Parent Responsiveness to Children With or At-Risk for Autism Spectrum Disorder. Professor Linda R. Watson.

Lindsey Marie King, *Sociology*, Risk Perceptions and Risk Preferences in an Era of Precarity and Austerity. Professor Arne L. Kalleberg.

Anne Veronica Kirby, *Occupational Science*, Factors Influencing Participation Outcomes of Young Adults With Autism Spectrum Disorder. Professor Grace T. Baranek.

Jennifer Helen Kling, *Philosophy*, The State Right of Self-Defense: A Claim in Need of Justification. Professor Bernard Boxill.

Anca Koczkas, *Romance Languages and Literatures*, Cartografia del Deseo: Transgresiones Sexuales y de Género en la Literatura Latinoamericana Contemporánea (1990-2010). Professor Oswaldo Estrada.

Racquel Elizabeth Kohler, *Health Policy and Management*, Enhancing Breast Cancer Early Detection in Malawi: A Mixed Methods Study to Understand Knowledge and Preferences. Professor Stephanie B. Wheeler.

Margaret Mae Kovach, *Geography*, Climate-Human Health Vulnerability: Identifying Relationships between Maximum Temperature and Heat-Related Illness Across North Carolina. Professor Charles E. Konrad.

Scott W. Krabbe, *Chemistry*, Strategic Applications of New Redox Transformations in Organic Synthesis. Professor Jeffrey S. Johnson.

Stephanie Ann Kramer, *Chemistry*, Synthesis of Polymeric Materials for Drug Delivery and Industrial Applications. Professor Michel R. Gagne.

Alison Elizabeth LaGarry, *Education*, Narratives of Note: The Dynamics of Socially Just Music Education. Professor George Noblit.

Lauren Lanahan, *Public Policy*, The Multilevel Innovation Policy Mix: Three Essays on State SBIR Matching Programs. Professor Maryann P. Feldman.

Kathleen Egan Lawlor, *Public Policy*, Impacts of Poverty Reduction Programs in Remote Rural Landscapes: Evidence from Cash Transfers in Zambia. Professor Sudhanshu Handa.

Joseph Gilbert Louis Lee, *Health Behavior*, Relationship Between Sexual Minority Couples and Tobacco Retailer Density and Marketing. Professor Kurt M. Ribisl.

Carolyn Louise Lekavich, *Nursing*, The Identification of Biomarkers that Predict Impending Heart Failure Preserved Ejection Fraction (HFpEF). Professor Debra J. Barksdale.

Catherine R. Lesko, *Epidemiology*, The Population Level Impact of HIV Treatment in the Test-and-Treat Era. Professor Stephen R. Cole.

Sherry Lynette Leviner, *Nursing*, Going With the Flow: Left Without Being Seen in the Emergency Department. Professor Debbie Travers.

Yi Li, *Sociology*, Three Genetically Informed Sociological Studies on Data Quality Control, Delinquency and Religiosity. Professor Guang Guo.

Katharine J. Liang, *Neurobiology*, AAV-Nrf2 Mediated Rescue of Oxidative Stress in Mouse Models. Professor Richard J. Samulski.

Yang Liu, *Psychology*, Generalized Fiducial Inference for Graded Response Models. Professor David Thissen.

Erica Marie Longenbach, *Art History*, Constructing Campanillismo: The Sacred Topography of Ravenna in the Middle Ages. Professor Dorothy Verkerk.

Kristjen Brienne Lundberg, *Psychology*, Why Implicit Attitudes Predict Voting Among Undecided Voters: A Test of the Introspective Neglect Hypothesis. Professor B. Keith Payne.

Qianlai Luo, *Epidemiology*, Sexual Attractiveness, Sexual Satisfaction and Psychological Distress in Liuzhou, China. Professor Victor J. Schoenbach.

Heidi Joan Maclean, *Biology*, Adaptation to Climate and Climate Change in Rocky Mountain Butterflies: Morphology, Physiology and Behavior. Professor Joel G. Kingsolver.

Amanda Mah, *Nutrition*, Functional Impact of Obesity or Intermittent Feeding on Intestinal Stem Cells. Professor Pauline K. Lund.

Andrew S. Maimone, *Computer Science*, Computational See-Through Near-Eye Displays. Professor Henry Fuchs.

Kathleen Megan Day Malley, *Education*, Validation of the SCALE: A Measure of Middle School Students' Transition Experiences. Professor Jill V. Hamm.

Benjamin Mangrum, *English*, Land of Tomorrow: The Postwar Novel and the Rise of the New Conservative Movement. Professor John McGowan.

Allison Mathews, *Sociology*, Stigma and Intersectional Identities: Examining the Strategies Black Gay Men Use to Reduce Identity Conflict. Professor Karolyn D. Tyson.

Brett Roger Matsumoto, *Economics*, Estimating Models of Learning in Individual Decision Making With an Application to Youth Smoking. Professor Donna Gilleskie.

Karen Elizabeth McIntyre, *Journalism and Mass Communication*, Constructive Journalism: The Effects of Positive Emotions and Solution Information in News Stories. Professor Rhonda Gibson.

Laura Meadows, *Mass Communication*, Losing Forward: An Ethnographic Study of the LGBT Movement in North Carolina. Professor Daniel Kreiss.

Ravish Mehra, *Computer Science*, Efficient Techniques for Wave-Based Sound Propagation in Interactive Applications. Professor Dinesh Manocha.

Kyle Philip Messier, *Environmental Sciences and Engineering*, Spatiotemporal Geostatistical Methods for Exposure and Epidemiological Analyses of Groundwater Nitrate and Radon. Professor Marc L. Serre.

Megan Meyer, *Microbiology and Immunology*, The Protease/Antiprotease Balance Determines Influenza Susceptibility and Can Be Modified by Oxidants and Antioxidants. Professor Ilona Jaspers.

Di Miao, *Statistics and Operations Research*, Class-Sensitive Principal Components Analysis. Professors James S. Marron and Jason P. Fine.

Brooke Midkiff, *Education*, Searching for the Causal Impact of Sex Education Policy Reform: Using a Synthetic Control to Study the Intersection of Health and Education Policy. Professor Catherine Marshall.

Katherine Anne Moga, *Chemistry*, Rapidly Dissolvable PRINT Microneedles for the Transdermal Delivery of Therapeutics. Professor Joseph M. DeSimone.

Jennifer Lindsay Moss, *Health Behavior*, Concomitant Adolescent Vaccination: The Influence of Seasonal Variation, School Requirements and Patient-Provider Communication. Professor Noel T. Brewer.

Kathleen M. Nichols, *Education*, Creating a Collective Consciousness of Public Schooling Inequities: Participatory Action Research With Community College Students. Professor George Noblit.

Njamkou Ngasseu Noucti, *Chemistry*, Nickel-Catalyzed Cycloadditions of Ene-Allenes. Professor Erik J. Alexanian.

Claire Novotny, *Anthropology*, Social Identity Across Landscapes: Ancient Lives and Modern Heritage in a Maya Village. Professor Patricia A. McAnany.

Melati Nungsari, *Economics*, Essays on Pricing and Matching on Two-Sided Platforms. Professor Gary Biglaiser.

Julie Kathleen O'Donnell, *Epidemiology*, Psychological and Behavioral Outcomes Associated With Stressful or Traumatic Life Events Among HIV-Infected Persons With Depression. Professor Brian W. Pence.

Julia Scatliff O'Grady, *Communication Studies*, Citizens of the Air: Perceptions of Safety in the Social Imaginary of Flight. Professor William Balthrop.

Florence Osita Okoro, *Nursing*, Gender Differences in Peer Support in Type 2 Diabetes Self-Management: An International Qualitative Study. Professor Debra J. Barksdale.

Vicente I. Ordonez Roman, *Computer Science*, Language and Perceptual Categorization in Computational Visual Recognition. Professor Tamara L. Berg.

Lukas Dylan Osborne, *Physics and Astronomy*, Biophysics of Cancer Progression and High-Throughput Mechanical Characterization of Biomaterials. Professor Richard Superfine.

Britt Frisk Pados, *Nursing*, Feeding the Medically Fragile Infant: Effects of Feeding Method and Milk Flow on Physiology and Behavior. Professor Suzanne M. Thoyre.

Abhishek Pal Majumder, *Statistics and Operations Research*, Long Time Asymptotics of Some Weakly Interacting Particle Systems and Higher Order Asymptotics of Generalized Fiducial Distribution. Professors Amarjit S. Budhiraja and Jan H. Hannig.

Derek Pamukoff, *Human Movement Science*, The Effect of Vibratory Stimuli on Measures of Neuromuscular Function. Professor Troy Blackburn.

Angela M. Parcesepe, *Maternal and Child Health*, Interpersonal Violence and HIV Sexual Risk Behaviors: The Influence of Alcohol Harm Reduction and Early Initiation of Sex Work Among Female Sex Workers in Mombasa, Kenya. Professor Sandra L. Martin.

Lanita Danielle Parker, *Education*, "He's Got a Good Life, It's Just Offering Him More": Black Motherhood and Deconstructing the Myths About Mentoring the Black Child. Professor George Noblit.

Ryan Alexander Peeks, *History*, "The Cavalry of the Fleet:" Organization, Doctrine and Battlecruisers in the United States and the United Kingdom, 1904–1922. Professor Wayne Lee.

Jennifer J. Persson, *Education*, The Math Teaching Gap: A Study of the Relationship Between Different Levels of Mathematics Teacher Effectiveness and Student Achievement. Professors Catherine Scott and Jocelyn Glazier.

Adrianne Gilbert Pettiford, *Psychology*, Effects of Puberty and Parenting on Adolescent Psychosocial Maturity and Risky Behavior. Professor Martha J. Cox.

Nicholas Karl Pinkin, *Chemistry*, Discovery and Application of Small Molecule Receptors for the Recognition of Trimethyllysine in Water. Professor Marcey Waters.

McLean Dickinson Pollock, *Maternal and Child Health*, The Impact of Child Maltreatment on the Development of Alcohol and Substance Use: Comparing Trajectories of Alcohol and Substance Use in Adolescence and Young Adulthood Between Victims and Non-Victims of Maltreatment. Professor Sandra L. Martin.

April L. Raphiou, *Mass Communication*, The Eagle vs. the Dragon in Africa: A Content Analysis of Economic News Frames in Nigeria and Kenya on the U.S. and China's Economic Pursuits. Professor Debashis Aikat.

Kevin Gerald Reuter, *Chemistry*, Polymeric PRINT Hydrogel Nanoparticles: Next Generation Drug Delivery Vehicles Targeting Cancerous Tissue. Professor Joseph M. DeSimone.

Greggory Matthew Rice, *Chemistry*, High-Throughput Experiment Driven Modeling of RNA Interactions and Structures. Professor Kevin M. Weeks.

Joseph Rigdon, *Biostatistics*, Causal Inference for Binary Data With Interference. Professor Michael Hudgens.

Jessica L. Rinsky, *Epidemiology*, The Role of Occupational Exposure to Animal Production in Chronic Obstructive Pulmonary Disease Among Farmers in Iowa and North Carolina. Professor Steve B. Wing.

Megan Clarke Roberts, *Health Policy and Management*, Racial Variation in the Use of Oncotype DX Testing Among Women With Breast Cancer. Professor Morris Weinberger.

Miguel Andrés Rocha, *Romance Languages and Literatures*, Textualidades Oralitegraficas y Visiones de Cabeza en las Oralituras y Literaturas Indigenas Contemporaneas en Colombia. Professor Emilio Del Valle Escalante.

Elizabeth Tacket Rogawski, *Epidemiology*, Are Our Favorite Drugs Killing the Wrong Bugs? The Impact of Antibiotic Treatment on Diarrhea and Growth in Early Childhood. Professor Daniel J. Westreich.

Karen Gayle Roos, *Epidemiology*, Overuse Injuries in College and High School Populations: Occurrence and Methodological Issues in Surveillance. Professor Stephen W. Marshall.

Elise Camille Rosa, *Psychology*, Semantic Role Predictability Affects Referential Form. Professor Jennifer E. Arnold.

Sarah Elizabeth Rutstein, *Health Policy and Management*, Optimizing HIV Therapy: Outcomes, Challenges and Opportunities for Virological Monitoring in Resource-Limited Settings. Professor Andrea K. Biddle.

Sara Safransky, *Geography*, Promised Land: The Politics of Abandonment and the Struggle for a New Detroit. Professor Wendy Wolford.

Maura Sabatos DeVito, *Psychology*, Investigating the Predictive Value of Infant Attention Behaviors and Profiles for Detecting Differences in Self-Regulation and Social and Sensory Responsiveness in the Toddler and Early Preschool Years. Professor J. Steven Reznick.

Elissa J. Sampson, *Geography*, Tenement Tales: The Fashioning of 97 Orchard Street. Professors John Pickles and Nina Martin.

Diana Maria Sanchez, *Epidemiology*, Concurrent Sexual Partnerships: Predictors of Initiation and Reliability of Reports Analysis of the Project on Partner Dynamics. Professor Victor J. Schoenbach.

Maria Agostina Santoro, *Cell and Molecular Physiology*, Obesity, Hyperinsulinemia, the Insulin and Insulin-Like Growth Factor 1 Receptors and Risk of Colorectal Cancer. Professor Pauline K. Lund.

Mallory Renee Selzo, *Biomedical Engineering*, Interrogating the Viscoelastic Properties of Tissue Using Viscoelastic Response (VisR) Ultrasound. Professor Caterina M. Gallippi.

Joseph James Shaffer, *Neurobiology*, Functional MRI Correlates of Schizophrenia Negative Symptoms During Auditory Oddball Task and Resting State. Professor Aysenil Belger.

Jing Shan, *Physics and Astronomy*, Development of a Stationary Chest Tomosynthesis System Using Carbon Nanotube X-Ray Source Array. Professor Otto Z. Zhou.

Laura Jeanne Sims, *History*, Rethinking France's "Memory Wars": Harki and Pied-Noir Collective Memories in Fifth Republic France. Professor Donald M. Reid.

Wasin Siwasarit, *Economics*, The Skewness in Expected Macro Fundamentals and Predictability of Equity Returns: Evidence and Theory. Professors Eric Ghysels and Riccardo Colacito.

Rosa Arrington Heath Sledge, *English*, Reading Fashions, Fashioning Readings: Genre, Style and Sartorial Semiotics in 19th-Century American Literature. Professors Jane F. Thrailkill and John McGowan.

Catherine Slota, *Pharmaceutical Sciences*, Examining Patient-Physician Communication Regarding Cost in the Glaucoma Patient Population. Professor Betsy Sleath.

Tangi L. Smallwood, *Genetics and Molecular Biology*, The Genetic Architecture of Atherosclerosis and the Atherosclerosis-Associated Metabolite Trimethylamine-N-Oxide in the Diversity Outbred Mouse Populations. Professor Brian J. Bennett.

Che Lena Smith, *Biostatistics*, Model Selection for Nonnested Linear Mixed Models. Professor Lloyd J. Edwards.

Zachary Philip Smith, *History*, Reading Citizens: Popular Education Campaigns and the Construction of the Chinese Political Subject, 1904–1937. Professor Michael Tsin.

Forrest Rule Spence, *Economics*, The Role of Consumer Experience in the Market for College Textbooks. Professor Brian McManus.

Melissa Ann Sreckovic, *Education*, Peer Network Interventions for Secondary Students With ASD: Effects on Social Interaction and Bullying Victimization. Professors Harriet Able and Kara Hume.

Einav Srulovici, *Nursing*, Assets and Health: Examining the Asset-Building Theoretical Framework and Psychological Distress. Professor Barbara A. Mark.

Eric T. Staunton, *Environmental Sciences and Engineering*, Integrated Biological Treatment of Swine Waste for Nitrogen Removal and Energy Recovery. Professor Michael D. Aitken.

Xuezheng Sun, *Epidemiology*, Parity, Obesity and Breast Cancer Survival: Does Intrinsic Subtype Modify Outcomes? Professor Melissa A. Troester.

Susan Bramley Thananopavarn, *English*, LatinAsian Nation: Re-Imagining United States History Through Contemporary Asian American and Latina/o Literature. Professors Jennifer Ho and Maria DeGuzman.

Peter Matthew Thompson, *Biochemistry and Biophysics*, The Structural and Functional Consequences of the Interaction of the Vinculin Tail Domain With F-Actin and PIP2. Professor Sharon L. Campbell.

Matthew Robert Toth, *Health Policy and Management*, Outcomes and Costs of Post-Hospitalization Transitions in Urban and Rural Settings. Professor Pam Silberman.

Armond Rasheen Towns, *Communication Studies*, "Riding While White": Transporting Race and the Production of Blackness. Professor Sarah Sharma.

Yi-Hsuan Tsai, *Bioinformatics and Computational Biology*, Transcriptome-Wide Study of Alternative Splicing Across Multiple Cancer Types. Professors Zefeng Wang and Shawn M. Gomez.

Christopher Radcliff Turlington, *Chemistry*, Oxygen Atom Transfer to Half-Sandwich Complexes of Iridium and Rhodium. Professors Joseph L. Templeton and Maurice Brookhart.

Abigail Haley Turner, *Chemistry*, Epidermal Growth Factor Receptor Tyrosine Kinase Assays in Single Intact Cells Using Capillary Electrophoresis. Professor Nancy L. Allbritton.

Kristen Meyers Turner, *Musicology*, Opera in English: Class and Culture in America, 1878–1910. Professor Annegret Fauser.

John W. Wallace, *Epidemiology*, Characterization of Arboviral Disease in North Carolina. Professor Steven R. Meshnick.

William Waller, *Business Administration*, Default, Recovery and the Macroeconomy. Professor Gregory W. Brown.

Bethany Lynne Walton, *Pathology*, The Contribution of Fibrinogen and Red Blood Cells To Arterial Thrombosis. Professor Alisa S. Wolberg.

Alice Wang, *Environmental Sciences and Engineering*, Performance Evaluation of the Compartment Bag Test for E. coli in Drinking Water. Professor Mark. D. Sobsey.

Weibo Wang, *Computer Science*, Detect Copy Number Variations from Read-Depth of High-Throughput Sequencing Data. Professor Wei Wang.

Jayme Kristen Warischalk, *Pharmacology*, Uncovering Structural Components of the Adeno-Associated Viral Capsid That Can Be Modified to Improve Clinical Gene Therapy Outcomes. Professor Richard Jude Samulski.

Crystal Ann Waters, *Genetics and Molecular Biology*, Factors Increasing the Flexibility of Nonhomologous End Joining. Professor Dale Ramsden.

Rachel Palmieri Weber, *Epidemiology*, Evaluation of Hysterectomy as Both Exposure and Outcome: Association With Epithelial Ovarian Cancer and Prediction of Premenopausal Hysterectomy With Ovarian Conservation. Professor Andrew F. Olshan.

Sarah Elizabeth Wetzel-Strong, *Cell and Molecular Physiology*, Effect of Adrenomedullin Over-Expression in the Cardiovascular System During Development and Disease. Professor Kathleen M. Caron.

Kevin R. White, *Social Work*, An Examination of Post-Permanency Adjustment and Discontinuity for Older Foster Youth in Adoptive and Guardianship Homes. Professor Mark F. Testa.

David Wilkie, *Computer Science*, Simulating, Reconstructing and Routing Metropolitan-Scale Traffic. Professor Ming C. Lin.

Kimberly Sade Williams, *Neurobiology*, Neurotrophin-Chemokine Receptor Interactions on Macrophages Regulate HIV Neuropathogenesis. Professor Rick B. Meeker.

Colton James Willig, *Mathematics*, Nonlinear Geometric Optics for Reflecting and Evanescent Pulses. Professor Mark Williams.

Alice Brooke Wilson, *Anthropology*, Contesting the Future of the Campo Mexicano: Food Sovereignty and the Cultural Politics of Transgenic Corn. Professor Dorothy Holland.

Benjamin Wilson, *Mathematics*, Measuring Complexity in Dynamical Systems. Professor Karl Petersen.

Emma Woelk, *German Studies*, Folk Fiction: Yiddish and the Negotiation of Literary Legacy in Germany after 1945. Professor Ruth von Bernuth.

Mary Woessner, *Epidemiology*, Determinants of Parasite Clearance Time and Recrudescence in Patients Treated for Uncomplicated Plasmodium Falciparum Malaria in Sub-Saharan Africa. Professor Steven R. Meshnick.

Sandi Wong, *Microbiology and Immunology*, Assembly of Intestinal Microbiota is Determined by Host Development, Diet and Environment. Professor John F. Rawls.

Hiu Ching Dominica Wong, *Chemistry*, Perfluoropolyether-based Electrolytes for Lithium Battery Applications. Professor Joseph M. DeSimone.

Richard Wyss, *Epidemiology*, Using High Dimensional Disease Risk Scores in Comparative Effectiveness Research of New Treatments. Professor Til Stürmer.

Yuying Xie, *Genetics and Molecular Biology*, Role of Epidermal Growth Factor Receptor on Cardiac Function. Professor David W. Threadgill.

Jie Xiong, *Statistics and Operations Research*, Radial Distance Weighted Discrimination. Professors James Steve Marron and Dirk Dittmer.

Nicole Rachele Zane, *Pharmaceutical Sciences*, Predicting Pharmacokinetic Behavior and Dose of Sildenafil and Voriconazole in Neonatal and Pediatric Populations by In Vitro Metabolism and PBPK Modeling. Professor Dhiren R. Thakker.

Kurt Zemlicka, *Communication Studies*, Public Argument and the "Human": Rhetoric, Values and Differences in the Biotechnology Debate. Professor Christian O. Lundberg.

Hongtao Zhang, *Biostatistics*, Statistical Methods for Correlated Data from Observational Studies. Professors Jianwen Cai and Haibo Zhou.

Feng Zheng, *Computer Science*, Spatio-Temporal Registration in Augmented Reality. Professor Gregory F. Welch.

Xiaolei Zhou, *Biostatistics*, Model Assessment for Models With Missing Data. Professor Hongtu Zhu.

Jennifer Lynn Zoski, *Speech and Hearing Sciences*, Kindergarten Linguistic Awareness Intervention: The Effects of Phonological, Morphological and Orthographic Instruction on Early Reading Outcomes in At-Risk Students. Professor Karen Erickson.

DOCTOR OF NURSING PRACTICE

Christa Williams Seaman, *Nursing*, An Evaluation of Fatigue Management Strategies Implemented on Hospital Nursing Units. Professor Cheryl B. Jones.

Jessica Grantham Sparrow, *Nursing*, Coping With ADHD: Experience of Pregnant Women. Professor Grace Hubbard.

DOCTOR OF PUBLIC HEALTH

Ashley Lynn Buchanan, *Biostatistics*, Causal Inference in HIV/AIDS Research: Generalizability and Applications. Professor Michael G. Hudgens.

Gretchen Anne Cowman, *Health Policy and Management*, Cholera Prevention and Control in Kenya. Professor Harsha Thirumurthy.

Laura Miniea Hoemeke, *Health Policy and Management*, To Help, or at Least Do No Harm: The Evolving Roles of Global Health NGOs in Health Systems Strengthening. Professor Suzanne H. Hobbs.

Sue Lynn Ledford, *Health Policy and Management*, Improving the Transition Process from Pediatric to Adult HIV Care in North Carolina: A Patient-and Family-Centered Perspective System Dynamics Model. Professor Andrea K. Biddle.

Lisa H. Ozaeta, *Health Policy and Management*, Satisfying Non-Profit Hospitals' Community Benefit Obligations by Targeting Population Health Programs in Partnership With Their Distributed Ambulatory Practices: The Results of a Mixed Method Study. Professor George M. Holmes.

Sophie Shen, *Health Policy and Management*, What Factors Employers Should Consider in Designing and Implementing Value Based Insurance Design? Professor James Porto.

Valerie Anne Smith, *Biostatistics*, Marginalized Two-Part Models for Semicontinuous Data With Application to Medical Costs. Professors John Preisser and Brian Neelon.

Craig River Westling, *Health Policy and Management*, An Examination of Ethics Conflicts in Pioneer Accountable Care Organizations. Professor Kristin L. Reiter.

Mark Joseph Woodring, *Health Policy and Management*, What Role Do Charitable, Nonprofit Hospitals Have in Community Building Activities Post-2010 Patient Protection and Affordable Care Act Reforms? Leadership Perspectives from an Exploratory, Intrinsic Case Study of Persistent Poverty Leaver Counties in Rural New Mexico. Professor Sandra Greene.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Charles Alexis Aiken, *Educational Leadership*, Superintendent Decision Making and Communication Practices in the Age of Social Media and Social Networking. Professor Fenwick English.

Christine Marie Fierro, *Educational Leadership*, Does How Students Are Assigned to Classrooms Matter? An Examination of Students' Relative Achievement on State Standardized Tests in Tracked and Untracked North Carolina English Language Arts Middle Grades Classrooms. Professor Fenwick English.

Shane Michael Morrison, *Educational Leadership*, A Comparison of the Challenge of the Common Core State Standards to Traditional Job Stressors of North Carolina Superintendents. Professor Fenwick English.

Susan Elizabeth Sutherland, *Educational Leadership*, Preparing Students To Be Globally Competitive in the 21st Century: Exploring Educational Leaders' Global-Mindedness and Student Achievement in North Carolina Public High Schools. Professor Dana Thompson Dorsey.

GRADUATE DEGREES

August 2014 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Yousuf Al-Bulushi, *Geography,* The Struggle for a Second Transition in South Africa: Uprising, Development and Precarity in the Post-Apartheid City. Professor John Pickles.

Yunus Annayev, *Biochemistry and Biophysics,* Characterization of New Mouse Circadian Clock Gene: GM129. Professors Aziz Sancar and Greg Wang.

Alexandra Arreola, *Genetics and Molecular Biology,* Molecular and Physiological Roles of Von Hippel-Lindau Mutation and Hypoxia Inducible Factors: Fine-Tuned Expression Effects on Angiogenesis and Metabolism. Professor Wendy K. Rathmell.

Rose Aslan, *Religious Studies,* From Body to Shrine: The Construction of Sacred Space at the Grave of Ali ibn Abi Talib in Najaf. Professor Carl W. Ernst.

Lynn Ann Badia, *English,* A Universe of Forces: Energy in Early 20th-Century Theory and Literature. Professors Lawrence Grossberg and Tyler Curtain.

Austin James Baird, *Mathematics,* Modeling Valveless Pumping Mechanisms. Professor Laura Miller.

John Stewart Bankhead, *Romance Languages and Literatures,* Queer(ed) Bodies, Spaces and Forms in Selected Works by Reinaldo Arenas, Mario Bellatin and Isaac Chocrón. Professor Alicia Rivero.

Nicholas George Batz, *Chemistry,* Development and Application of Surface Coatings for Microchip Capillary Electrophoresis-Electrospray Ionization-Mass Spectrometry Analysis of Biological Analytes. Professor John Michael Ramsey.

Sarah E. Bauerle, *Political Science,* Cronies, Capitalists and Control: Foreign Direct Investment Regulation, International Capital Flows and Banking Sector Reforms. Professor Layna Mosley.

Zane Van Beckwith, *Physics,* Dynamic Critical Properties of Disordered Magnetic Systems. Professor Dmitri Khveshchenko.

Rebecca Lynn Begalle, *Human Movement Science,* Double and Single Leg Landing Biomechanics in Adolescent Female Athletes with a History of Anterior Cruciate Ligament Reconstruction and the Effects of Verbal Instructions on Acute Alterations in Landing. Professor Darin Padua.

LeeMarie Ayers Benshoff, *School Psychology,* Validity of a Local Norms Approach for Universal Screening in Early Childhood Response to Intervention. Professors Barbara Wasik and Ellen Peisner-Feinberg.

Michael Anthony Bertucci, *Chemistry,* Synthetic Agents for the Derivatization of N-Acyl Homoserine Lactones. Professor Michel Gagne.

Belle Bryant Booker, *Education,* Science Teachers' Efficacy Beliefs, Mastery-Focused Instruction, and Students' Efficacy Beliefs: A Multilevel Structural Equation Model. Professor Judith Meece.

Laurel Almira Bradley, *Anthropology,* Health, Well-Being, and Rights: Mapping the Boundaries of Belonging for Filipino Caregivers in Israel. Professor Michele Rivkin-Fish.

Merrick Lancaster Brown, *Mathematics,* Saturation Problem for Affine Kac-Moody Algebras. Professor Shrawan Kumar.

Sara Farner Budarz, *German Studies,* Inside the City: Gender and the Production of Space in Weimar Republic German Literature, 1929–1933. Professor Eric Downing.

Alison Reimuller Burns, *Psychology,* Development and Validation of an Observational Measure of Alcohol-Specific Communication. Professor Andrea Hussong.

Anne Mobley Butler, *Epidemiology,* The Cancer Burden and Patterns of Erythropoiesis-Stimulating Agent Use Among End-Stage Renal Disease Patients on Hemodialysis. Professor M. Alan Brookhart.

Brandon R. Byrd, *History,* An Experiment in Self-Government: Haiti in the African-American Political Imagination, 1863–1915. Professor W. Fitzhugh Brundage.

James Donald Byrne, *Pharmaceutical Sciences,* Iontophoretic Delivery of Cytotoxic Agents for the Treatment of Solid Tumors. Professor Leaf Huang.

Courtney Marie Cameron, *Psychology,* The Role of Rapid Dopamine Signaling Within the Nucleus Accumbens in Natural and Drug Reward-Seeking Behaviors. Professor Regina Carelli.

Shaneee L. Campbell, *Public Policy,* Quality Teachers Wanted: An Examination of Standards-Based Evaluation Systems and School Staffing Practices in North Carolina Middle Schools. Professor Gary Henry.

Jason Carter, *Computer Science,* Automatic Difficulty Detection. Professor Prasun Dewan.

Guanhua Chen, *Biostatistics,* Statistical Learning for Biomedical Data under Various Forms of Heterogeneity. Professor Michael Kosorok.

Ting-Huei Chen, *Biostatistics,* Penalized Estimation Methods and Their Applications in Genomics and Beyond. Professors Wei Sun and Jason Fine.

Haw Cheng, *Physics,* A Photometric Study of the Dwarf Spheroidal Galaxies LEO IV and BOÖTES II. Professor Bruce Carney.

Diana R. Chirovsky, *Health Policy and Management,* Comparative Effectiveness of Surveillance and Current Treatment Approaches for the Detection and Management of Hepatocellular Carcinoma in East Asia. Professor Kristen Hassmiller Lich.

Rushina Cholera, *Epidemiology,* HIV and Depression in a Primary Care Clinic in Johannesburg, South Africa. Professor William Miller.

Warren Edmund Christian, *Education,* A Statistical Distance: Examining the Experiences of Chinese Graduate Instructors and Their Undergraduate Students in Statistics Courses. Professor James Trier.

Rosario Colchero-Dorado, *Romance Languages and Literatures,* Del Silencio al Alzheimer: Releyendo al Anciano en Tres Novelas sobre la Transición. Professor Samuel Amago.

Daud Cole, *Biochemistry and Biophysics,* Shape Analysis of Telomerase RNA Form and Function. Professor Barry Lentz.

Joshua G. Coyne, *Business Administration,* Equity Analysts' Earnings Forecasts and Information Asymmetry in Private Lending. Professor John R. M. Hand.

Tessa Crowl, *Genetics and Molecular Biology,* SOX2 is Critical for the Maintenance of Quiescence and Homeostasis in Nascent Müller Glial Cells. Professor Ellen Weiss.

Jessica A. Cuellar, *Psychology,* Neighborhood Contributions to Positive Parenting and Youth Externalizing Problems: A Multi-Sample Study of African-American Single Mother Families. Professor Deborah Jones.

Jeffrey Stuart Damrauer, *Genetics and Molecular Biology,* Discovery and Characterization of Molecular Subtypes in High-Grade Urothelial Carcinoma. Professor William Kim.

Benjamin Danforth, *Political Science,* The Development of Education Systems in Advanced Capitalist Societies. Professor John Stephens.

Myra Grace A. dela Pena, *Microbiology and Immunology,* CD4+ T Cells in Infant Immunity. Professor Kristina Abel.

Cynthia Paula Demetriou, *Education,* Reflections at the Finish Line: The Activities, Roles, and Relationships of Successful First-Generation College Students. Professor Judith Meece.

Jason Christopher Dyke, *Chemistry,* Designing Biomimetically Inspired Materials for Potential Orthopedic Tissue Engineering Applications. Professors Wei You and Ching-Chang Ko.

Luke Elson, *Philosophy,* Vagueness in Action. Professor Geoffrey Sayre-McCord.

Eva Erber, *Nutrition,* Acculturation, Body Mass Index and Type 2 Diabetes Risk in Asian Americans. Professor June Stevens.

Jeremy P. Erickson, *Computer Science,* Tardiness Bounds and Overload in Soft Real-Time Systems. Professor James Anderson.

Kaitlin Fague, *Chemistry,* Multidimensional Separations with Ultrahigh Pressure Liquid Chromatography-Mass Spectrometry for the Proteomics Analysis of Saccharomyces Cerevisiae. Professor James Jorgenson.

Lydia Feinstein, *Epidemiology,* Implementation of Pediatric HIV Prevention and Care Guidelines in Routine Settings: Outcomes among HIV-Exposed Infants in DR Congo (2007–2013). Professor Frieda Behets.

Nicole Marie Fenton, *Psychology,* The Adolescent Health Belief Model: Conceptalizing Cognitive Factors That Influence Medication Non-Adherence Among Adolescents. Professor Don Baucom.

Ellen E. Fitzsimmons-Craft, *Psychology,* Examining an Elaborated Sociocultural Model of Disordered Eating among College Women: The Roles of Social Comparison and Body Surveillance. Professor Anna Bardone-Cone.

Kim A. Gaetz, *Epidemiology,* Free to Breathe, Free to Teach: Indoor Air Quality in Schools and Respiratory Health of Teachers. Professor David Richardson.

Michael Geier, *Chemistry,* New Mechanisms for Turnover and Functionalization in the Platinum Initiated Cyclization of Polyenes. Professor Michel Gagné.

Emily M. Gidcumb, *Materials Science,* Performance of a Carbon Nanotube Field Emission X-Ray Source Array for Stationary Digital Breast Tomosynthesis. Professors Otto Zhou and Jianping Lu.

Benjamin Charles Giglio, *Chemistry,* Alkene Difunctionalization Using Hydroxamic Acids. Professors Erik Alexanian and David Nicewicz.

David Hamilton, *Chemistry,* Anti-Markovnikov Addition Reactions of Oxy-Acids to Alkenes Enabled by Photoredox Catalysis. Professor David Nicewicz.

Conor M. Harrison, *Geography,* Power for All? Electricity and Uneven Development in North Carolina. Professor Scott Kirsch.

Yizhou Joseph He, *Genetics and Molecular Biology,* Identification of Novel Regulatory and Target Proteins in the P53 Pathway: APC2 and PFK2. Professors Yanping Zhang and William Marzluff.

Scott Houck, *Cell and Developmentol Biology,* Degradation of Misfolded Membrane Proteins via ERQC Autophagy. Professor Douglas Cyr.

Kristen Vaughn Bell Hughes, *School Psychology,* Academic and Civic Outcomes of African-American Graduates of Historically Black and Historically White High Schools. Professors Rune Simeonsson and Jonathon Livingston.

Ellis Eugene Hughes, *Romance Languages and Literatures,* Confession(s) of an Early Modern Virago: Situating Confession, Evangelizing and Defense of Women in the Works of Hélisenne de Crenne. Professor Hassan Melehy.

Jungwon Huh, *Social Work,* The Resource Availability and Work First Use Among Low-Income Mothers in North Carolina. Professor Dean Duncan.

Rebecca A. Hunter, *Chemistry,* Electrochemical Measurement of Nitric Oxide from Biological Systems. Professor Mark Schoenfisch.

Noorie Hyun, *Biostatistics,* Analysis of Interval Censored Data Using a Longitudinal Biomarker. Professors Donglin Zeng and David Couper.

Lauren Elizabeth Jarocha, *Chemistry,* Electron Paramagnetic Resonance Studies of Spin and Molecular Motion in Surfactant Aggregates. Professor Malcolm D. E. Forbes.

Silia Kaplan, *German Studies,* Fragmented Bodies and the Exploded Boundary between Self and Other: Discourses of Trauma in the Visual Media of Early Weimar Germany, 1916–1926. Professor Eric Downing.

Saleema A. Karim, *Health Policy and Management,* The Magnet Recognition Program: What Are the Effects on Financial Performance? Professor George Pink.

Megan C. Kassabaum, *Anthropology,* Feasting and Communal Ritual in the Lower Mississippi Valley, AD 700–1000. Professor Vincas Steponaitis.

Syed Muaz Khalil, *Microbiology and Immunology,* Characterization of Alphavirus Replicon-Based Vaccines and Adjuvants in a Neonatal Murine Model. Professor Laura White.

Nikhil Kishor Khankari, *Epidemiology,* Polyunsaturated Fatty Acids, Genetic Susceptibility, and Breast Cancer Incidence and Survival. Professor Marilie Gammon.

Meagan Millen Knowles, *School Psychology,* Association between Teacher Liking and Student Characteristics, and the Influence of Job Satisfaction and Peer Social Preference. Professor Barbara Wasik.

Tu Lan, *Geography,* Made in Italy, by Chinese: How Chinese Migration Changed the Apparel Production Networks in Prato. Professor John Pickles.

Karen A.F. Landale, *Business Administration,* Examining Accession and Retention and the Role of Relationship Marketing in Public Service Organizations: Three Studies. Professor Jan-Benedict E.M. Steenkamp.

Jonathan Leano, *Biochemistry and Biophysics,* The CLASP Family Regulates Microtubule Dynamics by Using an Array of TOG-Like Domains. Professors Kevin Slep and Andrew Lee.

Jill Farnell Lebov, *Epidemiology,* Pesticide Exposure and End-Stage Renal Disease among Pesticide Applicators and Their Spouses in the Agricultural Health Study. Professor Lawrence Engel.

Elizabeth Chase Lessey-Morillon, *Cell and Developmental Biology,* The RhoA Guanine Nucleotide Exchange Factor, LARG, Mediates ICAM-1-Dependent Mechanotransduction in Endothelial Cells to Stimulate Transendothelial Migration. Professor Keith Burridge.

Peng Li, *Computer Science,* Replication and Placement for Security in Distributed Systems. Professor Michael Reiter.

Xiaoxi Liu, *Biostatistics,* Variable Selection and Statistical Learning for Censored Data. Professor Donglin Zeng.

Zhipeng Lu, *Biology,* Comprehensive Analysis of Eukaryotic SM-Associated Ribonucleoprotein Complexes. Professor A. Gregory Matera.

Hanlin Luo, *Materials Science,* Metal Complexes Derivatized Metal Oxides as Nanostructured Electrodes in Electrochemistry or Photoelectrochemistry. Professor Thomas Meyer.

Sara Mamo, *Speech and Hearing Sciences,* Electrophysiological and Psychophysical Measures of Auditory Temporal Processing. Professor John Grose.

Andrius Masedunskas, *Biology,* The Role of Actin Cytoskeleton in Endocytosis and Exocytosis in the Salivary Glands of Live Rodents. Professor Steve Rogers.

Rita-Marie Thomas McFadden, *Oral Biology,* The Role of Curcumin in Modulating Colonic Microbiota during Colitis and Colon Cancer Prevention. Professor Pawel Kiela.

James Silas McGinley, *Psychology,* A Novel Mixed Effects Modeling Framework for Longitudinal Ordinal Substance Use Data. Professor Patrick Curran.

Luke Justin McKay, *Marine Sciences,* Microbial Ecology of a Manmade Oil Spill in the Gulf of Mexico and a Natural, Hydrothermal Oil Seep in the Gulf of California. Professor Andreas Teske.

Matthew Meiners, *Biology,* The Mechanism of Modulation of the Escherichia Coli DNA Helicase II (UVRD) Unwinding Activity, A Study of the 2B Subdomain. Professor Steven W. Matson.

Obiajulu Emmanuel Melekwe, *Nursing,* Ability to Work and Its Relationship with Health Status and Health Behaviors in Nursing Assistants Employed in North Carolina Nursing Homes. Professor Mary Palmer.

Chelsea Redeker Milbourne, *English,* Revisions of Nature: Spectacle, Gender, and Public Science Rhetoric in 18th-Century Great Britain. Professors Jordynn Jack and Jane Danielewicz.

Michelle F. Miranda, *Statistics and Operations Research,* Bayesian Analysis of Ultra-High Dimensional Neuroimaging Data. Professor Joseph Ibrahim and Hongtu Zhu.

Megan Kelly Mitchell, *Philosophy,* Implicit Bias, Colorblindness and Institutional Racism. Professor Bernard Boxill.

William Brandon Monteith, *Chemistry,* Residue Level Quantification of Protein Stability in Living Cells. Professor Gary Pielak.

WILL OWENS

Yves Maurice Morillon, *Microbiology and Immunology,* Thymic Development of Autoreactive T Cells in NOD Mice, and the Altered Trafficking of T Cells Following Antibody Mediated Crosslinking of the CD4 Co-Receptor. Professors Roland Tisch and Barbara Vilen.

Laura Rose Neser, *Geological Sciences,* The Timing of Laramide Deformation in the Northern Rocky Mountains. Professor Kevin Stewart.

Mai Anh Ngo, *Economics,* The Impact of Credit Constraint on Exporting and Innovation: Evidence from Ghana and Vietnam. Professor Patrick Conway.

Melanie R. Nicol, *Pharmaceutical Sciences,* Pre-Exposure Prophylaxis for HIV: Linking Antiretroviral Pharmacokinetics and Pharmacodynamics to Identify Optimal Dosing Strategies. Professor Angela D. M. Kashuba.

Sarah Nicolson, *Pharmacology,* Understanding Mechanisms of Adeno- Associated Virus Vector Transduction through Pharmacological and Biological Approaches. Professor R. Jude Samulski.

Sara Niedzwiecki, *Political Science,* Multilevel Social Policies and Partisan Alignments: Cash Transfers and Healthcare in Argentina and Brazil. Professor Evelyne Huber.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Oscar Ignacio Guerra Nuncz, *Mass Communication,* Empowerment of Foreign-Born Latino Students through the Use of Digital Educational Technologies: A Collective-Case Study. Professor Rhonda Gibson.

Tyler Randolph Oakley, *Romance Languages and Literatures,* Nihilism in Turn-of-the-Century Spanish Drama. Professor Samuel Amago.

Christopher Joseph O'Conor, *Biomedical Engineering,* TRPV4-Mediated Mechanotransduction in Articular Cartilage Function and Disease. Professors Farshid Guilak and Elizabeth Loboa.

Douglas M. Ornoff, *Pharmacology,* Development of a Cellular Analysis Platform Featuring Arrays of Patterned Microwells Fabricated Atop Permeable Supports. Professors Nancy Allbritton and Robert Nicholas.

Yannick Jeanine Orthodoxou, *School Psychology,* A Cross-Cultural Mediated Model Analysis of Parent Responsiveness, Child Social Competence, and Child Emergent Literacy. Professor Barbara Wasik.

Nazire Ozkan, *Economics,* Government Budget Predictions with Mixed Frequency Analysis. Professor Eric Ghysels.

Didem Pekkurnaz, *Economics,* Dynamic Analysis of Maternal Employment, Child Care, Quality and Early Childhood Development. Professor David Guilkey.

Carmen Perez-Munoz, *Romance Languages and Literatures,* Leer la Nación: Pedagogía Fundacional en Colombia (1870–1898). Professor Juan Carlos Gonzalez Espitia.

Andrew Perkowski, *Chemistry,* Direct, Catalytic, Intermolecular Anti-Markovnikov Hydroacetoxylations of Alkenes Enabled via Photoredox Catalysis, and Investigations into the Mechanism of the Polymerization of 4-Methoxystyrene Initiated by Pyrylium Salts. Professors David Nicewicz and Erik Alexanian.

Sarah Peterson, *Romance Languages and Literatures,* Geographies of Everyday Urban Life: French Literary and Cinematic Experiments in the Contemporary City. Professor Hassan Melehy.

Kashif J. Powell, *Communication Studies,* Specters and Spooks: Developing a Hauntology of the Black Body. Professor Renee Alexander-Craft.

Bo Qin, *Nutrition,* Diet, Vascular Risk Factors and Cognitive Decline in Chinese Older Adults. Professor Michelle Mendez.

Zhimin Ren, *Computer Science,* Real-Time Physically Based Sound Synthesis and Application in Multimodal Interaction. Professor Ming Lin.

Joseph John Patrick Roberts, *Chemistry,* The Electrochemistry of Surface Modified <10 nM Metal Oxide Nanoparticles. Professors Royce Murray and James Jorgenson.

Luke Roode, *Pharmaceutical Sciences,* Sub-Tumor Distribution of PRINT Nanoparticles and Its Application for Nucleic Acid Delivery. Professors Ian Davis and Joseph DeSimone.

Molly Sears Rosenberg, *Epidemiology,* The Influence of School Enrollment and Alcohol Outlets on Sexual Risk among Rural South African Young Women. Professor Audrey Pettifor.

Lorrie Schmid, *Education,* Processes of Peer Selection and Influence in Adolescents' Academic Achievement. Professor Jill Hamm.

Sunyoung Shin, *Statistics and Operations Research,* Contributions to Penalized Estimation. Professors Jason Fine and Yufeng Liu.

Sooycon Sim, *Materials Science,* Electron Paramagnetic Resonance Studies of Polymer Chain Dynamics in Solution. Professor Malcolm D. E. Forbes.

Sean G. Skwerer, *Statistics and Operations Research,* Tree-Oriented Data Analysis. Professors J. S. Marron and Scott Provan.

Josh Smicker, *Communication Studies,* Off-Base: Rethinking New Media Technologies and Military Everydayness. Professor Lawrence Grossberg.

Gina Song, *Pharmaceutical Sciences,* Immune Mechanisms Regulating Pharmacokinetics and Pharmacodynamics of Pegylated Liposomal Anticancer Agents. Professor William Zamboni.

Nicholas A Spidale, *Microbiology and Immunology,* Factors Regulating Thymic Dendritic Cell Homeostasis and Function. Professor Roland Tisch.

Jeran Stratford, *Pharmacology,* Aberrant Gene Expression: Diagnostic Markers and Therapeutic Targets for Pancreatic Cancer. Professors Jen Jen Yeh and Channing Der.

Qiang Sun, *Biostatistics,* On High Dimensional Sparse Regression and Its Inference. Professors Hongtu Zhu and Joseph Ibrahim.

Shauna Marie Swanson, *Microbiology and Immunology,* Mechanisms of Antibiotic Resistance in Neisseria Gonorrhoeae and the Development of LpxC Inhibitors as Novel Therapeutics. Professor Robert Nicholas.

Zhengzheng Tang, *Biostatistics,* Association Analysis of Rare Variants in Sequencing Studies. Professor Danyu Lin.

Nicholas A. Taylor, *Microbiology and Immunology,* Balancing Proand Anti-Inflammatory Signals for Effective Immunotherapy in the Post-Hematopoietic Stem Cell Transplant and Solid Tumor Settings. Professor Jonathan Serody.

Autumn Thoyre, *Geography,* The Production of Consuming Less: Energy Efficiency, Climate Change and Light Bulbs in North Carolina. Professor Martin Doyle.

Laura Ann Tollini, *Genetics and Molecular Biology,* Exploring the In Vivo Role of the Mdm2 Ring Finger Domain in p53 Regulation. Professor Yanping Zhang.

Christine Marie Tucker, *Maternal and Child Health,* Preterm Birth Prediction and Receipt of Postpartum Contraception among Participants of North Carolina's Pregnancy Medical Home Program. Professor Carolyn Halpern.

Katherine Tumlinson, *Epidemiology,* Measuring the Quality of Family Planning Service Delivery in Urban Kenya. Professor Brian Pence.

Riha Vaidya, *Economics,* Demand for Health: An Empirical Model of Health Production in China. Professor David Guilkey.

Sai Phanindra Venkatapurapu, *Bioinformatics and Computational Biology,* A Novel Role for the RGS Protein SST2 in Yeast Signaling Revealed by Mathematical Modeling and Live Cell Imaging. Professor Timothy Elston.

Andrey Rose Verde, *Neurobiology,* Structural Abnormalities within the Episodic Prospection and Decision Making Circuitry in Cigarette Smokers: A DTI and sMRI Analysis. Professors Charlotte Boettiger and Martin Styner.

Zackary Vernon, *English,* Haunted by Waters: The Hydropolitics of American Literature and Film, 1960–1980. Professor Fred Hobson.

Tasance Walsh, *Social Work,* The Conceptualization of Depression and Acculturative Stress among Latino Immigrants: A Comparison of Scores from Non-Hispanic Whites and Persons of Mexican Origin on the Center for Epidemiologic Studies Depression Scale — Revised (CESD-R). Professor Kathleen Rounds.

Gang Wang, *Business Administration,* Strategic Operational Decisions in a Supply Chain with Demand and Recall Risks. Professors Lauren Xiaoyuan Lu and Jayashankar Swaminathan.

Kristina Charles Webber, *Social Work,* School Engagement of Rural Early Adolescents: Examining the Role of Academic Relevance and Optimism across Racial/Ethnic Groups. Professor Natasha Bowen.

Kate M. Wegmann, *Social Work,* A Mixed-Methods Exploration of Stereotype Threat in Middle Childhood. Professor Natasha Bowen.

Darmood Wei, *Toxicology,* Elucidating SNF5 Regulated Gene Expression in Malignant Rhabdoid Tumor Development. Professor Bernard Weissman.

Kate Lynn White, *Pharmacology,* Identification of Biased Kappa Opioid Receptor Ligands for In Vivo Probing of Specific Signal Transduction Pathways. Professors Bryan Roth and T. Kendall Harden.

Jennifer Jane Winston, *Geography,* Hypospadias and Prenatal Exposure to Atrazine via Drinking Water: A Geographic Analysis. Professor Michael Emch.

Clinton James Wutzke, *Human Movement Science,* Influence of Lower Extremity Sensory Function on Threshold of Inter-Limb Gait Asymmetry Perception in People PostStroke. Professor Michael Lewek.

Hong Sik Yoo, *Environmental Sciences and Engineering,* Effects of Inter-Strain Differences in the Metabolism of Trichloroethylene on Liver and Kidney Toxicity. Professor Ivan Rusyn.

Chong Zhang, *Statistics and Operations Research,* Flexible Classification Techniques with Biomedical Applications. Professor Yufeng Liu.

Yinqian Zhang, *Computer Science,* Cache-Based Side-Channel Attacks in Multi-Tenant Public Clouds and Their Countermeasures. Professor Michael Reiter.

Wei Zhao, *Bioinformatics and Computational Biology,* Molecular Characterization and Clinical Implementation of Breast Cancer Genomics using Massive Parallel Sequencing and Microarray. Professor Charles Perou.

Shengjun Zhu, *Geography,* 'Go Up,' 'Go West' and 'Go Out': Changing Industrial Policy and Firm Strategies in China's Apparel Industry. Professor John Pickles.

DOCTOR OF PUBLIC HEALTH

Tia Simmons, *Health Policy and Management,* An Exploratory Study of mHEALTH Technology Acceptance for Type 2 Diabetes Self-Management among Adults in Later Life. Professor Sandra Greene.

Kelley D. Wekheye, *Biostatistics,* Statistical Methods for Repeated Measures in Experimental Gingivitis with Adjustment for Left Truncation Due to Lower Detection Limits. Professor John Preisser.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Cassandra Lytle Mangum, *Educational Leadership,* Inspiring Others to Lead: Making the Impossible Possible. Professor Catherine Marshall.

Kebbler M. Williams, *Educational Leadership,* Elementary Principals' and Assistant Principals' Perceptions of Culturally Responsive Teaching Practices in North Carolina. Professor Fenwick English.

GRADUATE DEGREES

December 2014 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Nour Abdo, *Environmental Sciences and Engineering,* The 1000 Genomes Toxicity Screening Project: Utilizing the Power of Human Genome Variation for Population-Scale In Vitro Testing. Professor Ivan Rusyn.

Laura Louisa Adduci, *Chemistry,* Methods of Carbohydrate Functionalization and Defunctionalization. Professor Michel R. Gagné.

Melanie Fawaz Alazzam, *Oral Biology,* Murine Transgene Insertional Mutation Involving Runx1T1 and GM11823 Genes and Their Contribution to Cleft Palate and Rib Anomalies. Professor Eric Everett.

William Benjamin Allshouse III, *Environmental Sciences and Engineering,* Modern Space/Time Geostatistical Approaches to Mapping Point Sources of Pollution and Infectious Disease. Professor Marc Serre.

Dennis Lee Ashford, *Chemistry,* A Molecular Solution to Solar Fuels. Professors Thomas Meyer and Joseph Templeton.

Jennifer Marie Ashlock, *Sociology,* Work Values and Control: A Longitudinal Analysis of the Structural, Cultural and Psychological Predictors of Work Values in the High School Class of 1972. Professor Arne L. Kalleberg.

Amelia Bachleda, *Neurobiology,* SOX2 Is Essential for the Maturation and Maintenance of Retinal Muller Glia. Professors Ellen Weiss and Larysa Pevny.

Christopher James Backlund, *Chemistry,* Nitric Oxide-Release Vehicles as Oral Disease Therapeutics. Professor Mark Schoenfisch.

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Sean Thomas Bailey, *Genetics and Molecular Biology,* Inhibition of Compensatory Survival and Proliferative Pathway Activation Induced by mTOR Inhibition in Renal Cell Carcinoma. Professor William Y. Kim.

Daniel E. Bonder, *Neurobiology,* Astrocytic Gq-GPCR-linked IP3Rdependent Calcium Signaling Does Not Mediate Neurovascular Coupling in Mouse Visual Cortex In Vivo. Professor Ken D. McCarthy.

Brian Bower, *Genetics and Molecular Biology,* An In Vitro Characterization of Functional Interactions between Purified Telomere Repeat Binding Factors 1 and 2 and RAD51 Recombinase. Professors Jack D. Griffith and Jeff Sekelsky.

Ila Hughes Broyles, *Health Policy and Management,* Community Versus Facility Long-Term Care: Impacts on Medicare Spending and Service Use. Professor Morris Weinberger.

Elizabeth Bucher, *Chemistry,* Methods and Applications for Fast-Scan Cyclic Voltammetric Detection of In Vivo Catecholamine Dynamics. Professor R. Mark Wightman.

Jessie P. Buckley, *Epidemiology,* Prenatal Phthalate Exposures and Childhood Adiposity: Examining the Obesogen Hypothesis. Professor Stephanie Engel.

Matthew Quinn Buckner, *Physics,* Hydrogen Burning of the Rare Oxygen Isotopes. Professor Christian Iliadis.

Steven Busan, *Chemistry,* Frameworks for Large-Scale RNA Structure Profiling in Transcriptomes and Disease. Professor Kevin M. Weeks.

Justin Bryce Callaway, *Microbiology and Immunology,* Interfering with Inflammatory Cytokine Production during Antibody-Enhanced Dengue Virus Infection. Professor Jenny P.-Y. Ting.

Danila Cannamela, *Romance Languages and Literatures,* Knowledge through Things: A New Perspective on Crepuscular and Futurist Avant-Garde. Professor Federico Luisetti.

Susan Caplow, *Ecology,* The Communication of Values, Beliefs and Norms in Live Animal Interpretive Experiences: A Comparative Case Study. Professor Pamela Jagger.

Lindsay B. Case, *Cell and Developmental Biology,* Spatiotemporal Coordination of the Actin Cytoskeleton and Integrin Adhesion. Professor Clare Waterman.

Melissa Caughey, *Epidemiology,* Is Sickle Cell Trait a Risk Factor for Stroke and Cerebral Small Vessel Disease? Professors Laura Loehr and Kari North.

Meredith Denise Clark, *Mass Communication,* To Tweet Our Own Cause: A Mixed-Methods Study of the Online Phenomenon "Black Twitter." Professor Rhonda Gibson.

Kizzmekia Shanta Corbett, *Microbiology and Immunology,* Characterization of Human Antibody Responses to Dengue Virus Infections in a Sri Lankan Pediatric Cohort. Professor Aravinda de Silva.

Emil Adrian Cornea, *Biostatistics,* Advanced Biostatistical Methods for Curved and Censored Biomedical Data. Professors Joseph G. Ibrahim and Hongtu T. Zhu.

Thomas Joseph Corona, *Physics,* Methodology and Application of High Performance Electrostatic Field Simulation in the KATRIN Experiment. Professor John Wilkerson.

Courtney Ellen Cox, *Biology,* Evaluating Strategies for Restoring Parrotfish Populations in Belize. Professor John Bruno.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Carmen Crosby, *Social Work,* Sexual Assault among Female Students at Historically Black Colleges and Universities: An Exploration of the Black Feminist Perspective and Routine Activity Theory. Professor Natasha K. Bowen.

Sayan Dasgupta, *Biostatistics,* Non-Parametric and Semi-Parametric Methods for Parsimonious Statistical Learning with Complex Data. Professor Michael R. Kosorok.

Nicholas DeFelice, *Environmental Sciences and Engineering,* Drinking Water Risks to Health 40 Years After Passage of the Safe Drinking Water Act: A County-by-County Analysis in North Carolina. Professor Jacqueline MacDonald Gibson.

Sumit Dhole, *Biology,* Evolution of Reproductive Traits Under Preand Post-Mating Sexual Selection. Professor Maria Servedio.

Alexandra Jazz Dickinson, *Chemistry,* Single-Cell Analysis of Lipid Enzyme Activity Using Automated Capillary Electrophoresis. Professors Nancy L. Allbritton and James W. Jorgenson.

Scott Dill, *English,* The Only Crucial Clocks: Secular Time in the Contemporary American Novel. Professors Florence Dore and Gregory Flaxman.

Dung Tien Do, *Chemistry,* Stereoselective Functionalization of Meldrum's Acids and the Efforts toward Total Synthesis of Echinosporin. Professor Jeffrey S. Johnson.

Shiahna Dye, *Psychology,*The Associations among Religiosity, Parenting, and Sexual Behavior in African American Youth from Single-Mother Families: A Moderated Mediation Model. Professor Deborah Jones.

Rebecca Richer Fanelli, *Neurobiology,* Neuronal Encoding of Habit-Like Alcohol Self-Administration in the Rat Dorsal Striatum. Professor Donita L. Robinson.

Brian C. Ferslew, *Pharmaceutical Sciences,* Importance of Hepatic Transporters, Including Basolateral Efflux Proteins, in Drug Disposition: Impact of Phospholipidosis and Non-Alcoholic Steatohepatitis. Professors Kim Brouwer and Dhiren Thakker.

Amber Frick, *Pharmaceutical Sciences,* Cellular Genomics Approaches for Defining Susceptibility and Resistance to Chemotherapeutic Toxicity in Immune Cells. Professors Tim Wiltshire and Jian Liu.

Joseph Carl Gaiteri, *Chemistry,* Development of a Microfluidic Immunoassay for Determination of Kinase Phosphorylation. Professors J. Michael Ramsey and Nancy L. Allbritton.

Anisha Gandhi, *Epidemiology,* Migration, Social Disadvantage, Sexual Partnerships and HIV/STI in the Garífuna Population of Honduras. Professor Audrey Pettifor.

Raehel Kelley Gittman, *Ecology,* The Living Shoreline Approach as an Alternative to Shoreline Hardening: Implications for the Ecology and Ecosystem Service Delivery of Salt Marshes. Professors John Bruno and Charles Peterson.

Ann Gottert, *Health Behavior,* Gender Norms, Masculine Gender-Role Strain, and HIV Risk Behaviors among Men in Rural South Africa. Professor Clare Barrington.

Natalia Gouskova, *Biostatistics,* Analysis of Complex Time-to-Event Data. Professor Jason Fine.

Nicole Gabrielle Griffin, *Genetics and Molecular Biology,* Genetic Analysis of Complex and Mendelian Diseases. Professor Kirk C. Wilhelmsen.

James P. Grinias, *Chemistry,* Characterization and Control of Band Broadening in Ultra-High Pressure Liquid Chromatography Columns. Professor James W. Jorgenson.

Brionna Hair, *Epidemiology,* Body Mass Index, Breast Tissue and the Epigenome. Professor Melissa Troester.

Hillary Van de Carr Harper, *Speech and Hearing Sciences,* Connections between Participation in Early Reading First Classrooms and School-Aged Language and Literacy Development. Professor Karen Erickson.

Jill Shizuko Harunaga, *Biology,* Cell and Matrix Interactions during Branching Morphogenesis. Professors Kenneth M. Yamada and Stephen Rogers.

Jessica Keppel Higgins, *Biology,* Rapid Evolution and Population Divergence in Response to Environmental Change in Colias Butterflies. Professor Joel Kingsolver.

Steven Hoberman, *Biostatistics,* Response Adaptive Designs for Highly Successful Treatments, Randomness and Relationship Detection in Clinical Trials. Professors Michael Kosorok and Anastasia Ivanova.

Kaiulani M. Houston, *Chemistry,* Development of Protease-Resistant Beta-Hairpin Peptides for the Detection of Enzymatic Activity in Cancer Cell Lines. Professor Marcey Waters.

James Huckle, *Pharmaceutical Sciences,* C2E2, An Orally Administered Radionuclide Decorporation Agent. Professor Michael Jay.

Rosa B. Ibanez, *Romance Languages and Literatures,* Nuevos y Viejos Demonios en la Novelistica Historica (2000–2010) de Mario Vargas Llosa. Professor Rosa Perelmuter.

Lindsay M. Jaacks, *Nutrition,* The 3C Nutrition Ancillary Study: Describing the Integration of Diet and Disease Self-Management among Adolescents and Adults with Type 1 Diabetes in China. Professor Elizabeth Mayer-Davis.

Aziz Jaber, *Linguistics,* On Genericity and Definiteness in Modern Standard Arabic. Professor Jules Michael Terry.

Laura Elizabeth Jackson, *Economics,* Monetary Policy in a Zero Lower Bound Environment. Professors Neville R. Francis and Michael Owyang.

Joshua Holden Jennings, *Neurobiology,* Neural Circuit Dynamics and Function of Complex Behavioral States. Professor Garrett Stuber.

Deepak Kumar Jha, *Biochemistry and Biophysics,* Role of Histone Methylation and Variants in Genome Function. Professor Brian D. Strahl.

Brian Layne Jones, *Musicology,* Signifying DIY: Process-Oriented Aesthetics in 1990s Alternative Rock and Hip-Hop. Professor Mark Katz.

Leanne Kaye, *Nutrition,* Examining the Use of Tailored Health Messages to Promote Physical Activity among Inactive Breast Cancer Survivors. Professor Diane S. Ward.

Amanda Keener, *Microbiology and Immunology,* Requirements for Memory B Cell and Long-Lived Plasma Cell Development during Adaptive Immune Responses and Staphylococcus Aureus Infection. Professor Barbara Vilen.

Alexander P. Keil, *Epidemiology,* Healthy Worker Survivor Bias in a Cohort of Uranium Miners from the Colorado Plateau. Professor David Richardson.

Kayla Knilans, *Pharmacology,* The Role of Lytic Transglycosylases LtgA and LtgD in Innate Immune Recognition and Pathogenesis of Neisseria Gonorrhoeae. Professor Joseph A. Duncan.

Jennifer Frances Kosmin, *History,* Embodied Knowledge: Midwives and the Medicalization of Childbirth in Early Modern Italy. Professor Melissa Bullard.

Kevin Kritsch, *English,* Apostles, Apostolicity and Apocrypha: The Literary Reception and Treatment of the Twelve Apostles in Anglo-Saxon England with a Study of the Cult of Saint Andrew. Professor Patrick O'Neill.

Jennifer Kulzer, *Genetics and Molecular Biology,* Molecular and Biological Mechanisms of the ARAP1 Type 2 Diabetes Locus. Professor Karen L. Mohlke.

Matthew Lawrence Kutys, *Cell and Developmental Biology,* A Novel, Matrix-Specific GEF/GAP Interaction Regulates Rho GTPase Crosstalk Critical for 3D Collagen Migration. Professors Kenneth M. Yamada and Keith Burridge.

Julie C. Lauffenburger, *Pharmaceutical Sciences,* Dabigatran and Warfarin for Stroke Prevention in Atrial Fibrillation: Use, Switching and Clinical Effects Following New Market Entry in Real-World Patients. Professor Gang Fang.

Jacoba Leiper, *Nursing,* The Context, Content, and Consequences of Disruptive Behavior among Nurses through Participant Observation and Interviews. Professor Noreen Esposito.

Luciana Leopold, *Genetics and Molecular Biology,* Surveillance and Targeting of Aberrant Transcripts in Caenorhabditis elegans. Professor Shawn Ahmed.

Ya-Ru Li, *Environmental Sciences and Engineering,* Assessing Exposure to and Risks of Fine Particulate Air Pollution from Multiple Sources. Professor Jacqueline MacDonald Gibson.

Jesse Liebstein, *Health Policy and Management,* Do Community Care of North Carolina-Induced Changes Spill Over to Non-Target Populations? Professor Mark Holmes.

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Qian Liu, *Biostatistics,* Non-Parametric Machine Learning Methods for Clustering and Variable Selection. Professor Eric Bair.

Adam Layton Long, *Sociology,* Income Inequality and Religion: Beliefs, Disagreements, and Politics. Professor Ted Mouw.

Lantz Mackey, *Pathology,* The Role of D(1,3)-Fucosylated Glycans in Homeostatic Immunity, Granulopoiesis, and Mucosal Injury. Professor Jonathon W. Homeister.

Ritsa Mallous, *Education,* Exploration of New Early Childhood and Elementary Teachers' Efficacy Based on Collaborative Conversations of Self-Identified Practice Dilemmas. Professor Harriet Able.

Jessica L. Martell, *English,* In Formlessness and Appetite: Modernist Form and Imperial Food Politics, 1890–1922. Professor Gregory Flaxman.

Rachel L. Martin, *History,* Out of the Silence: Remembering the Desegregation of Clinton, Tennessee, High School. Professor Jacquelyn Dowd Hall.

Kevin Clark Mathias, *Nutrition,* Understanding the Roles that Food Manufacturers, Government, and Consumers Play in Efforts to Reduce Purchases of Grain-Based Desserts. Professor Barry Popkin.

Brian Christopher Miles, *Geography,* Small-Scale Residential Stormwater Management in Urbanized Watersheds: A Geoinformatics-Driven Ecohydrology Modeling Approach. Professor Lawrence E. Band.

Kathleen Miller, *Health Policy and Management,* The Signaling Effects of FDA Drug Designations. Professor Kristin Reiter.

Sarah Nicole Mueller, *Chemistry,* Polymeric PRINT Hydrogel Nanoparticles as a Delivery Platform for Subunit Vaccine Antigens and Adjuvants. Professor Joseph DeSimone.

Giang Thi Huong Nguyen, *Economics,* The High Frequency Economics of Government Bond Markets. Professor Eric Ghysels.

Luong Tien Nguyen, *Pharmaceutical Sciences,* Long Wavelength Fluorescent Reporters for Protein Kinases and Design of Light-Activatable Bioagents. Professor David Lawrence.

Stephanie H. Nowotarski, *Biology,* Roles and Interactions of Enabled, Diaphanous and Capping Protein in Regulation of Actin Structures in Drosophila Development. Professor Mark Peifer.

Caela Brighid Casey O'Connell, *Anthropology,* Persistent Communities: Entangled Landscapes of Agriculture, Environment, and Fairtrade Development in St. Lucia. Professors Arturo Escobar and Karla Slocum.

Nathan Paul Oien, *Pharmaceutical Sciences,* Erythrocyte Carriers: Tool Development for Erythrocyte Mediated Diagnostic and Drug Delivery. Professors David Lawrence and Jian Liu.

Habib Omari, *Epidemiology,* Second-Line Antiretroviral Therapy in Northern Tanzania. Professor William C. Miller.

Adem Orsdemir, *Business Administration,* Essays on Sustainable Operations and Corporate Social Responsibility. Professors Vinayak Deshpande and Ali K. Parlakturk.

John Pelton, *Biology,* Multiple Endothelial Cells Constitute the Tip of Developing Blood Vessels and Polarize to Promote Lumen Formation. Professor Victoria Bautch.

Ernesto Perez-Chanona, *Pharmacology,* Microbial Signaling in the Intestinal Ischemia/Reperfusion Injury Response. Professor Christian Jobin.

Jennifer M. Poti, *Nutrition,* Development of a Novel Classification System to Determine the Role of Processed and Convenience Foods in the Diets of U.S. Households. Professor Barry M. Popkin.

Shangbang Rao, *Biostatistics,* Spatially Regularizing High Angular Resolution Diffusion Imaging. Professors Joseph Ibrahim and Hongtu Zhu.

Amy Richardson, *Biostatistics,* Inference about Treatment Effects Using Bounds, Sensitivity Analysis and Instrumental Variables. Professor Michael G. Hudgens.

Andrea Starkweather Richardson, *Nutrition,* How Do Changes in the Neighborhood Food Environment Influence Diet and Body Mass Index Over Time? An Innovative Method Using 20 Years of Spatial, Diet and Anthropometry Data. Professor Penny Gordon-Larsen.

Amy Lynn Roberts, *Nutrition,* Measuring the Healthfulness of Children's Diets and the Role of the Home Food Environment. Professor June Stevens.

Cheryl Ann Roberts, *Sociology,* Family Disadvantage, School Context, and the Educational Attainment of African-American Males. Professors Kathleen M. Harris and Glen H. Elder Jr.

John Robertson, *History,* Calamitous Methods of Compulsion: Labor, War and Revolution in a Habsburg Industrial District, 1906–1919. Professor Chad Bryant.

Ivan Gwilym Sabath, *Biochemistry and Biophysics,* Characterization of Factors Required for 3' End Processing of Histone pre-mRNAs. Professors Zbigniew Dominski and William Marzluff.

Wesley Ken Saurer, *Philosophy,* Internal and External Awareness. Professor William Lycan.

Kevin Philip Schultze, *Chemistry,* Advanced System Components for the Development of a Handheld Ion Trap Mass Spectrometer. Professor J. Michael Ramsey.

Joseph Seaborn, *Mathematics,* Combinatorial Interpretation of the Kumar-Peterson Limit for sln(C) Demazure Characters and Gelfand Pattern Description of sln(C) Demazure Characters. Professor Robert Proctor.

Tammy Shen, *Pharmaceutical Sciences,* Development and Characterization of PRINT Particles as Drug Delivery Vehicles in the Lung. Professor Joseph DeSimone.

Thomas Sheppard, *History,* Petty Despots and Executive Officials: Civil-Military Relations in the Early American Navy, 1794–1820. Professor Wayne Lee.

Matt Simon, *Genetics and Molecular Biology,* Germ Cell Immortality in C. Elegans: Reduced Insulin Signaling Restores Germline Immortality in Piwi Argonaute PRG-1 Mutants. Professor Shawn Ahmed.

Olivenne D. Skinner, *Psychology,* Longitudinal Predictors of Gender Attitudes and Relationships among the Gender Attitudes, Gender Identity and Educational Choices of Black and White Youth. Professor Beth Kurtz-Costes.

Lauren Slevin, *Biology,* A Structural Study of the Conserved Centriole Duplication Machinery. Professor Kevin Slep.

Lindsey Patricia Smith, *Nutrition,* Can a Major National Food Retailer Improve the Nutritional Profile of U.S. Packaged Food Purchases and Reduce Diet-Related Disparities? Professor Barry Popkin.

M. Kumi Smith, *Epidemiology,* Treatment to Prevent HIV Transmission in Serodiscordant Couples in Henan, China. Professor William C. Miller.

Kevin Z. Snow, *Computer Science,* Identifying Code Injection and Reuse Payloads in Memory Error Exploits. Professor Fabian Monrose.

Eric J. Sobolewski, *Human Movement Science,* The Time Course of Changes in Neuromuscular Function During and Following Creatine Loading. Professor Eric D. Ryan.

Alice Michael Stamatakis, *Neurobiology,* Delineating Midbrain Circuits Underlying Motivated Behaviors. Professor Garret Stuber.

Matthew Stiegel, *Environmental Sciences and Engineering,* An Exposure Study Linking Environmental and Human Biological Parameter Measurements, with a Focus on TH1/TH2 Cytokine Expression. Professors Michael Flynn and Joachim Pleil.

Alissandra T. Stoyan, *Political Science,* Constituent Assemblies, Presidential Majorities, and Democracy in Contemporary Latin America. Professor Jonathan Hartlyn.

Natalia K. Suit, *Anthropology,* Qur'anic Matters: Media and Materiality. Professor Margaret Wiener.

Zhankun Sun, *Statistics and Operations Research,* Priority Scheduling of Jobs with Hidden Types. Professors Nilay T. Argon and Serhan Ziya.

Allison Totura, *Microbiology and Immunology,* SARS-Coronavirus Antagonizes Innate Immune Signaling Initiated by RIG-I but is Recognized by TLR Signaling via the Adaptor Molecule TRIF. Professors Ralph Baric and Mark Heise.

Jenna Tucker, *Social Work,* Family-School Relationships: Three Papers Addressing Limitations in Parent Involvement Theory and Research. Professor Natasha Bowen.

Alison McGlinn Turner, *Education,* Language Classes for Parents at a Two-Way Immersion School in North Carolina: Laying the Groundwork for Third Spaces. Professors Claudia Cervantes-Soon and Xue Rong.

Franklin Ifeanyichukwu Uba, *Chemistry,* Development of Nanofluidic Devices for Single- Molecule DNA Diagnostics. Professor Steven A. Soper.

Abel Valdivia-Acosta, *Biology,* Fish Assemblages of Caribbean Coral Reefs: Effects of Overfishing on Coral Communities under Climate Change. Professor John Bruno.

Tao Wang, *Statistics and Operations Research,* Empirical Analysis of Sequential Trade Models for Market Microstructure. Professor Chuanshu Ji.

Richard Lee Watkins, *Microbiology and Immunology,* Role of HIV-1 Nef and Vpu in Viral Replication and CD4+ T Cell Depletion. Professor J. Victor Garcia-Martinez.

Leah Watson, *Cell and Developmental Biology,* Endo-Exocytic Trafficking in Regulation of Cdc42 Polarity. Professor Patrick Brennwald.

Christian G. Watt, *Political Science,* Explaining Postwar Strategic Cooperation between the United States and its Former Adversaries. Professor Mark Crescenzi.

Catherine Welsh, *Computer Science,* Computational Tools to Aid the Design and Development of a Genetic Reference Population. Professor Leonard McMillan.

Matthew Woody, *Environmental Sciences and Engineering,* On Enhancing Air Quality Model Predictions of Particulate Matter from Aircraft Emissions. Professors J. Jason West and Saravanan Arunachalam.

Glenn Wozniak, *Genetics and Molecular Biology,* Investigation of the Role and Regulation of Histone H2B Ubiquitylation in Transcription. Professor Brian Strahl.

Catherine Wright, *Genetics and Molecular Biology,* LGN-Dependent Microtubule Regulation Influences Endothelial Cell Migration, Adhesion, and Sprout Integrity. Professors Victoria Bautch and Jean Cook.

Wan-Ching Wu, *Information and Library Science,* How Far Will You Go? Characterizing Online Search Stopping Behaviors Using Information Scent and Need for Cognition. Professor Diane Kelly.

Tingting Yang, *Marine Sciences,* Microbial Community Dynamics of the Deepwater Horizon Oil Spill. Professor Andreas Teske.

Zhaoyu Yin, *Biostatistics,* Statistical Analyses of High Throughput Genetics and Genomics Data. Professor Fei Zou.

Zhaojun Zhang, *Computer Science,* Efficient Computational Genetics Methods for Multiparent Crosses. Professors Wei Wang and William Valdar.

Huan Zhou, *Economics,* Forecasting in a Data-Rich Environment. Professor Eric Ghysels.

DOCTOR OF NURSING PRACTICE

Heather Michelle Boykin, *Nursing,* The Impact of a Pre-End Stage Renal Disease Education Intervention on Central Venous Catheter Placement in Those Initiating Dialysis: A Quality Improvement Project. Professor Meg Zomorodi.

Carla M. Jones, *Nursing,* Factors Contributing to Falls in Hospitalized Patients: Post-Fall Aggregate Analysis. Professor Mary Lynn.

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during today's Doctoral Hooding ceremony.

DEGREE CANDIDATES' REGALIA. The hooded doctoral gown features three bars across each sleeve. The doctoral gown for Carolina graduates is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning. The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina. Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study.

The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

Catherine K. Madigan, *Nursing,* Drivers of Patient Satisfaction and Effects of Demographics on the HCAHPS Survey. Professor G. Rumay Alexander.

Megan O'Connor, *Nursing,* Changing Organizational Culture through Gaming. Professor Gwen Sherwood.

Valerie Benedieta Idada-Parker, *Nursing,* Using the Dual Diagnosis Capability of Addiction Treatment (DDCAT) Index to Improve Outcomes: An Evaluation of a Community-Based Behavioral Health Program. Professors Cheryl Giscombe and Sonya Oppenwal.

DOCTOR OF PUBLIC HEALTH

Natnaree Aimyong, *Biostatistics.* Propensity Score Methods for Competing Risks. Professors Jason P. Fine and M. Alan Brookhart.

Christian Elizabeth Douglas, *Biostatistics,* Statistical Methods for Assessing the Effect of Mortality on Rates of Change and Variability in a Longitudinal Study of the Elderly. Professor Lloyd Edwards.

Philip Downs, *Health Policy and Management,* Opportunities and Barriers in the Control and Prevention of Lyme Disease: Implications for Practice. Professor Suzanne Hobbs.

Mohammad Saad Khan, *Health Policy and Management,* Improving Local Public Health Capacity through a Health Information Exchange in South Texas: Policy Implications for Health Leaders. Professor Christopher Shea.

Gift L. F. Kamanga, *Health Policy and Management,* How Best Can HIV/AIDS Policy Be Moved to Successful Implementation? Lessons from Routine HIV Testing of Patients with Sexually Transmitted Infections in Malawi. Professors Suzanne M. Hobbs and Sandra B. Greene.

Nicholas Gerard Mosca, *Health Policy and Management,* Acts Before Congress: How Interest Groups Influence Oral Health Policy Making in the U.S. Government. Professor Thomas G. Ricketts.

Lisa Oxendine, *Health Policy and Management,* Critical Factors Related to Communication of Nutrition Information Targeting Lumbee Women in Robeson County, N.C. Professor Suzanne H. Hobbs.

The School of Education

ESTABLISHED 1885
Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Cynthia B. Brand, *Curriculum and Instruction,* GED Success Rates for Inmates with Low Reading Ability Compared to Inmates with Higher Reading Skills in a Federal Correctional Setting. Professor Barbara Day.

Thomas Collins Cooper III, *Educational Leadership,* Refugee Students: Educational Challenges and Strategies for Leaders Working with Third World Populations. Professor Kathleen Brown.

Margaret Goodhand, *Educational Leadership,* Teachers' Perceptions of Heteronormativity in Elementary Schools: The Hidden and Evaded Curricula of Gender Diversity. Professor Kathleen Brown.

Shirley Mote Stipe-Zendle, *Educational Leadership,* An Investigation of Parental Calls Regarding Schooling to District Offices Within Bourdieu's Framework of Cultural Reproduction. Professor Fenwick English.

Commencement Committee

Ronald P. Strauss, *Chair*
Jenny Cobb Adams
Valerie Ashby
Tiffany Bailey
Bridget Baucom
Angelyn (Angie) S. Bitting
Simon John Bloor
Bruce Cairns
Shelby Dawkins-Law
Christopher Derickson
Debbie Dibbert
Douglas S. Dibbert
Joseph S. Ferrell
Jeffrey W. Fuchs
George B. Hare
C. Hawkins
Deborah L. Hawkins
Leslie S. Lerea
Ying Lin
Brandon Linz
H. Brent McKnight Jr.
Karen Moon
Mark Moon
Laura Hayes Morgan
Valerie A. Price
James I. Spurling
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Sidney W. Stone
Charles Streeter
Houston Summers
Dillon Vess
Kyle Villemain
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Credits

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THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

The University *of* North Carolina *at* Chapel Hill

2015 *Commencement*

SUNDAY, DECEMBER THIRTEENTH, TWO THOUSAND FIFTEEN

MESSAGE *from the* CHANCELLOR CAROL L. FOLT

Welcome to your Tar Heel graduation. Each of you has accomplished so much in your years at Carolina to get to this point, and nothing could be finer than celebrating your commencement today.

Family members and friends, you have provided support and encouragement of all kinds over the years. On behalf of Carolina faculty and staff, thank you for sharing your student with us, and congratulations as you also make this life transition.

Students, I trust that your time here has prepared you for the many adventures ahead. I hope that you are emboldened to lead, and to shape bright futures for your community, the state of North Carolina and the world around us. Most importantly, I hope that the personal connections you made here will be a lasting part of your life. Carolina has been your home for a few short years, but you will always be part of the Carolina family.

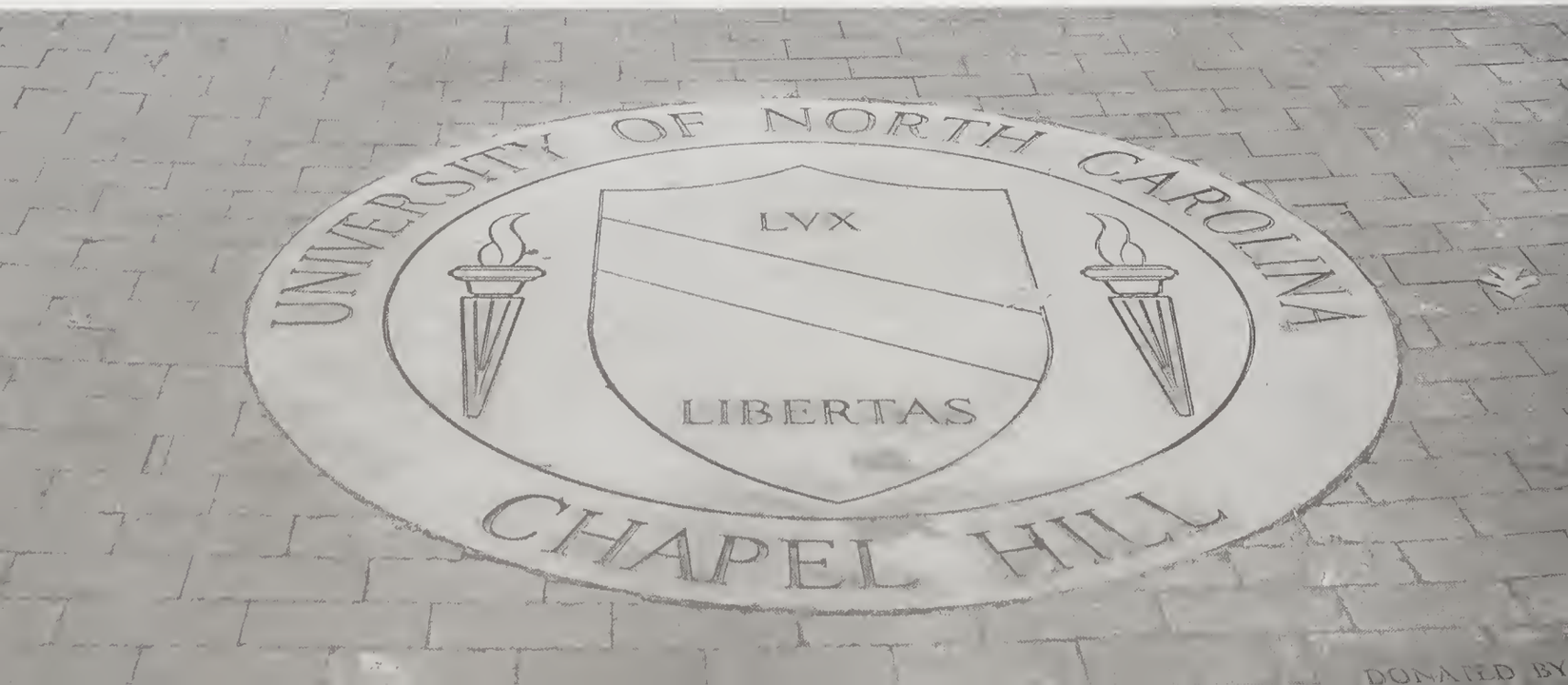
W. T. Carmichael Jr., 1950 Yackety Yack, said, "Down through all the years of your lives, wherever you may go, your heart will always beat just a bit faster when you hear the symphonic syllables: Chapel Hill."

As you leave today, Carolina pledges back to you, our newly minted alumni, to continue to make Chapel Hill a place of pride and promise — fresh, forward and always for the people.

Congratulations!

Carol L. Folt

CAROL L. FOLT



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ALMA MATER

The words of "Hark the Sound," UNC-Chapel Hill's alma mater, were written in 1897 by William Starr Myers, a graduating senior. The Glee Club director asked Myers to put words to the tune "Amici," and the song was first performed on June 2, 1897, as part of the Glee Club's Commencement performance in Gerrard Hall.

Soon the song was almost forgotten. When a University quartet tried a few years later to remember the words, they could recollect only the first verse and the chorus of Myers' original version. Two members of the quartet, Charles S. Mangum and Charles T. Woollen, added two verses to the one they remembered. Mangum later became a professor in the School of Medicine, and Woollen worked as the University's business manager and comptroller.

HARK THE SOUND

Hark, the sound of Tar Heel voices
Ringing clear and true,
Singing Carolina's praises,
Shouting N.C.U.!

Hail to the brightest star of all!
Clear its radiance shine!
Carolina, priceless gem,
Receive all praises thine.

For Your Information

If you have any questions regarding Commencement activities, or in the event of an emergency, please contact an usher.

Open captioning of the ceremony will be available on the video screens in the Dean Smith Center.*

This Commencement program is printed prior to administering final examinations. Therefore, including degree candidates' names in this program does not represent certification that candidates have satisfactorily completed degree requirements.

All diplomas are printed after graduation and are mailed to graduates. Every effort has been made to ensure the accuracy of this program's content. Any omissions or errors are unintentional.

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*Use **#UNCgrad** to share your Commencement tweets and photos.*

** Captioning by Caption Perfect.*

The COMMENCEMENT PROGRAM

Concert by the University Band	Jeffrey W. Fuchs, *Director*
Academic Procession	The Faculty Marshal Leslie V. Parise, *Professor and Chair, Department of Biochemistry and Biophysics* Jacob Baldwin, *Senior Marshal, Class of 2016*
	The Official Party
	The Faculty
	The Candidates for the Degrees of Doctor of Philosophy, Doctor of Education, Doctor of Nursing Practice and Doctor of Public Health
	The Candidates for Master's and Professional Degrees
	The Candidates for Baccalaureate Degrees SENIOR CLASS MARSHALS WILL LEAD THE GROUPS TO THEIR SEATS
Presiding	Carol L. Folt, *Chancellor of the University of North Carolina at Chapel Hill*
National Anthem	Mahari Conston, *Class of 2016* WITH THE ENTIRE ASSEMBLAGE
Recognition of Platform Party	Carol L. Folt
Welcome Remarks	FOR THE UNIVERSITY OF NORTH CAROLINA Thomas W. Ross, *President*
	FOR THE BOARD OF GOVERNORS OF THE UNIVERSITY OF NORTH CAROLINA Ann Maxwell
	FOR THE BOARD OF TRUSTEES OF THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Dwight Stone, *Chair*
	FOR THE GENERAL ALUMNI ASSOCIATION Dan Myers, *Chair, Board of Directors*
Introduction of Commencement Speaker	Ying Lin, *President of the Class of 2016*
Commencement Address	Kelly Hogan, *Director of Instructional Innovation and Senior STEM Lecturer, UNC Department of Biology, College of Arts and Sciences*
Recognition of Doctoral Candidates	Steven W. Matson, *Dean, The Graduate School*
Introduction of Deans, Conferring of Degrees, and Chancellor's Charge to the Graduates	Carol L. Folt
Ceremonial Recognition of the Graduates	Brent McKnight, *Vice President of the Class of 2015*
"HARK THE SOUND"	Mahari Conston
Academic Recessional	*Please remain in place for the recessional of the Official Party, Faculty and Candidates for Degrees – led by the Faculty Marshal and the Senior Class Marshals.*

CAROL L. FOLT

Chancellor

When Carol L. Folt was installed as Carolina's 11th chancellor and first woman leader in October 2013, she said, "As America's first public university, Carolina became the gold standard. The founders passed the baton, and the future is up to us. How can we fulfill this honorable charge in a way that is ever fresh and relevant?"

Folt, an internationally recognized scientist, award-winning teacher and accomplished administrator, has worked to fulfill that charge by championing Carolina as a great global public research university. Her priorities have included preserving and expanding the University's academic excellence, access and affordability, and deep commitment to North Carolina.

Under Folt's leadership, the University received nearly 32,000 applications for the Class of 2019, breaking the previous record for the 10th consecutive year. Carolina ranks among the nation's top 10 universities in research dollar volume, and has become increasingly focused on innovation and entrepreneurship.

One of Folt's top priorities is improving undergraduate retention rates – particularly for low-income, first-generation and underrepresented students – while maintaining Carolina's historic commitment to affordability and accessibility. Declaring that "Carolina can indeed be the leader in shaping the path for the great public university in America," Folt leads the University in the national dialogue about higher education and has taken a strong position on protecting students from sexual assault.

Folt came to Carolina from Dartmouth College, where she was interim president in 2012–2013, Dartmouth Professor of Biological Sciences, and a faculty member and administrator for 30 years. An Akron, Ohio, native, Folt is a proud product of public higher education. She holds a bachelor's degree in aquatic biology and a master's degree in biology from the University of California at Santa Barbara. She received her doctorate in ecology from the University of California at Davis. Folt is married to David Peart, a professor of biological sciences at Dartmouth, and they have two adult children.

Follow @ChancellorFolt on Twitter

ACCOMPLISHMENTS

- Created the position of vice chancellor for commercialization and economic development to translate more world-class ideas into real-world applications.
- Updated the policy on sexual violence through extensive cross-campus collaboration and represented Carolina on unprecedented panels on sexual assault at the White House, the University of Virginia and UC Berkeley.
- Launched a first-of-its-kind public-private partnership with GSK, creating a research center on campus and a jointly owned company, Qura Therapeutics, dedicated to discovering a cure for HIV/AIDS.
- Received a $100 million commitment – the largest individual gift in University history – from alumnus Dr. Fred Eshelman to create the Eshelman Institute for Innovation in the pharmacy school already bearing his name.
- Surpassed all previous fundraising records, garnering nearly $447 million in commitments – an achievement that includes the $100 million commitment from pharmaceutical entrepreneur Fred Eshelman to the pharmacy school for the new Eshelman Institute for Innovation.
- Championed a new joint biomedical engineering bachelor of science degree with N.C. State University for a department considered an exemplar of de-siloing in U.S. higher education.
- Invested in a $3 million, 10-year, no-interest loan to help stabilize the Northside neighborhood in Chapel Hill.

KELLY HOGAN

The Commencement Speaker

Kelly Hogan is the director of instructional innovation for the University of North Carolina at Chapel Hill's College of Arts and Sciences and a professor and senior STEM (science, technology, engineering and math) lecturer in the college's biology department. Since 2004, she has been teaching 400-seat classes on campus using interactive teaching methods and technologies.

Hogan's approach centers on the philosophy that, with the right practice, everyone is capable of learning. By demonstrating the effectiveness of her methods in large lecture classes, she has received national attention in publications such as The New York Times, The Atlantic and The Washington Post. Hogan works with many of Carolina's faculty to help them reimagine their teaching and she has also shared her techniques with educators from institutions across the state and nation. Her teaching has also impacted a student audience far beyond those in her UNC–Chapel Hill classes.

As the co-author of several biology textbooks, Hogan has reached hundreds of thousands of students globally. She has also been recognized by her students through eight different campus, state and national awards for teaching, mentoring and advising. Among them are The Pope Foundation for Higher Education Spirit of Inquiry Award (2011), the Carolina Women's Leadership Council Mentoring Award (2014), NACADA's 2015 Outstanding Advising Award for Faculty and The Tanner Award for Excellence in Undergraduate Teaching (2015).

Hogan completed her undergraduate degree in biology at The College of New Jersey in Ewing, N.J. (B.S. 1996) and earned her doctorate from UNC–Chapel Hill (Ph.D. 2001).

Officers of the Class of 2015

Aleksander Huryn Seymore, *President*
Alexis Danielle White, *Vice President*
Dillon Riddle Vess, *Chief Marshal*
C. Hawkins '00, *Advisor*
Jordan Farthing '12, *Annual Giving Liaison*

Officers of the Class of 2016

Ying Lin, *President*
Harold Brent McKnight Jr., *Vice President*
Jacob Allen Baldwin, *Chief Marshal*
Steffi Kinton '05, *Advisor*
Hunter Barrett '11, *Annual Giving Liaison*

Marshals of the Class of 2015

Victor Ayodele Abiona
Vincent Ayodeji Abiona
Addison Duke Baker
Connor Moss Belson
Kendra Lee Benner
Aubree Broadwater
Kaylah Elizabeth Brown
Jordan Jeneva Budget
Meghan Elizabeth Cabell
Emily Rose Cerciello
Ashleigh Breanne Curry
Nia Joi Davis
Mary Elizabeth Entwistle
Julia Elaine Filler
Leslie Alexandra Finch
Catherine Olivia Frere
Roderick Amal Gladney
Rene Gupta
Yasamin Haghshenas
Katrina Louise Hauprich
Claire Catherine Herzog
Brittany Monique Hollis
Erica Vimala Kakarlamudi
Jamison Nicole Kies
Savannah Mae Lagaly
Jordan Thomas Larson
Fanny Jasbeidy Laufters
Emily Elizabeth Mann
Christopher Alan Martin
Graham Joseph Martin
Manoj Mirchandani
Camille Elyse Morgan
April Amber Peterson
Katherine Beadles Pope
Kristina Alexis Redd
Justin Andrew Reyes
Erin Maureen Rolandelli
Austin John Root
Jeane' Roshell Rowell
Sarah Devonna Rutherford
Kayla Lucky Slake
Hilda Tajalli
Rachel-Kaylah Marie-Antwanette Tates
Naintara Viswanath
Catherine Hamilton White
Darius Jamal Whitney
Margaret Lynn Zenkel

Marshals of the Class of 2016

Mariah Paige Barksdale
William Dale Bass
Kayla Anne Blevins
Mary Page Boyd
Brandon Russell Chase
Phillip Andrew Cox
Sarah Elizabeth Crownshaw
Hayley Patricia Dane
Alysa Marie Delgado
Robert Wesley Edmiston
Treyaun Quantez Fulton
Laura Raquel Gamo
Lindsay Paige Gorman
Samuel Brooke Henderson
Morgan Lynn Herman
Austin James Jackson
Elizabeth Graham Jones
Syma Iqbal Lakhani
Meshay Long
Caroline Marie Martin
Jeremy Alexander McKellar
Randolph Lee McKinnie
Da'Vianna Chéntal Nelson
Brianna Dawn Norris
Simon Walker Porter
Marrisa Alexandria Rose
Andre Levere Rowe Jr.
Megan Nicole Stanley
Julia Diane Stroup
Rashmitha Vasa
Heting Wang
Conor Addison Winters

Graduate and Professional Student Federation Officers, 2015

Gregory Dylan Russell, *President*
Cortney Miller, *Vice President for Internal Affairs*
Taylor Livingston, *Vice President for External Affairs*
Marissa Cann, *Chief of Staff*
Autumn McClellan, *Treasurer*
Adam Engel, *Secretary*

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Charlotte, N.C.

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Cary, N.C.

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Chapel Hill, N.C.

CAROLINA ANNUAL GIVING *and* SENIOR CAMPAIGN

Congratulations, graduates! There is no doubt that your experience at Carolina has included unparalleled opportunities and that your degree will open many doors for you in the future. As Carolina students, you have been supported every day by private gifts to Carolina that maintain and enhance the University's tradition of excellence. Annual gifts improve the lives of students, faculty and staff. From scholarships to new research buildings and equipment, to access to incredible performances at Memorial Hall, to more than 6 million volumes in the libraries across campus, private gifts have impacted every aspect of campus life.

You're invited to support UNC–Chapel Hill through the Senior Campaign for Carolina. You can make a gift to any part of the University that is meaningful to you — your major, a professorship, a student organization, scholarships and student aid, or campus wide programs. To make an immediate difference where it is needed the most, consider supporting the Chancellor's Unrestricted Fund. All gifts to Carolina are included as participation in the Senior Campaign and the Office of University Development's annual giving totals. Thank you to those who have already made your gift! You can still give online at giving.unc.edu/gift or by mail to P.O. Box 309, Chapel Hill, N.C. 27514-0309. For more information about the Senior Campaign, visit giving.unc.edu/seniorcampaign.

WELCOME YOUNG ALUMNI!

As you transition from students to alumni, we encourage you to keep up with young alumni events and Carolina news through the Office of University Development's young alumni social media accounts: Facebook (UNCYoungAlumni), Instagram (@UNCYoungAlumni) and Twitter (@UNCYoungAlumni).

Through our social media efforts you can connect with fellow recent Carolina graduates in your area, participate in local events and social activities, and help Carolina stay strong by advocating philanthropy and support for the University among your peers. For more information about young alumni programs, visit giving.unc.edu/youngalumni.

DEGREES *and* CERTIFICATES

The following is a list of all degrees and certificates available to students at the University of North Carolina at Chapel Hill.

UNDERGRADUATE CERTIFICATES

Certificate in Cytotechnology
Certificate in Dental Hygiene
Certificate in Radiography
Certificate in Sports Communication

UNDERGRADUATE DEGREES

Bachelor of Arts with a major in:
African, African American, and Diaspora Studies; American Studies; Anthropology; Archaeology; Art History; Asian Studies; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Computer Science; Contemporary European Studies; Dramatic Art; Economics; English; Environmental Studies; Exercise and Sport Science; Geography; Geological Sciences; Germanic and Slavic Languages and Literatures; Global Studies; History; Interdisciplinary Studies; Latin American Studies; Linguistics; Management and Society; Mathematics; Music; Peace, War, and Defense; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages; Sociology; Studio Art; Women's and Gender Studies
Bachelor of Arts in Business Journalism
Bachelor of Arts in Education with a major in:
Child Development and Family Studies; Elementary Education; Middle Grades Education
Bachelor of Arts in Media and Journalism
Bachelor of Fine Arts
Bachelor of Music
Bachelor of Science with a major in:
Applied Science; Biology; Biomedical and Health Sciences Engineering; Chemistry; Computer Science; Environmental Sciences; Geological Sciences; Human Biology; Mathematical Decision Sciences; Mathematics; Physics; Psychology
Bachelor of Science in Business Administration
Bachelor of Science in Clinical Laboratory Science
Bachelor of Science in Dental Hygiene
Bachelor of Science in Information Science
Bachelor of Science in Nursing
Bachelor of Science in Pharmaceutical Sciences
Bachelor of Science in Public Health with a major in:
Biostatistics; Environmental Health Sciences; Health Policy and Management; Nutrition
Bachelor of Science in Radiologic Science

POSTBACCALAUREATE AND POST-MASTER'S CERTIFICATES

Postbaccalaureate Certificate in Business Journalism
Postbaccalaureate Certificate in Community Preparedness and Disaster Management
Postbaccalaureate Certificate in Core Public Health Concepts
Postbaccalaureate Certificate in Field Epidemiology
Postbaccalaureate Certificate in Global Health
Postbaccalaureate Certificate in Maternal and Child Health Leadership
Postbaccalaureate Certificate in Occupational Health Nursing Specialty
Postbaccalaureate Certificate in Radiologist Assistant
Postbaccalaureate Certificate in Technology and Communication
Post-Master's Certificate in Information and Library Science
Post-Master's Certificate in Public Health Leadership

GRADUATE DEGREES

Master of Accounting
Master of Arts in the discipline of:
American Studies; Anthropology; Art History; Biology; Chemistry; Classics; Communication Studies; Comparative Literature; Ecology; Education; Educational Innovation, Technology and Entrepreneurship; English; Exercise and Sport Science; Folklore; Geography; Geological Sciences; Germanic Languages; German Studies; Global Studies; History; Linguistics; Mass Communication; Mathematics; Musicology; Philosophy; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Sociology; Technology and Communication
Master of Arts in Teaching
Master of Business Administration
Master of Clinical Laboratory Science
Master of City and Regional Planning
Master of Education in the discipline of:
Education; School Counseling; School Psychology
Master of Fine Arts in the discipline of:
Dramatic Art; Studio Art
Master of Healthcare Administration
Master of Health Sciences
Master of Laws
Master of Physical Therapy
Master of Professional Science
Master of Public Administration
Master of Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition; Public Health Leadership
Master of Radiologic Science
Master of School Administration
Master of Science in the discipline of:
Biochemistry and Biophysics; Biology; Biomedical Engineering; Biostatistics; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; Clinical Rehabilitation and Mental Health Counseling; Computer Science; Dental Hygiene Education;

Ecology; Economics; Endodontics; Environmental Sciences and Engineering; Genetics and Molecular Biology; Geological Sciences; Human Movement Science; Management; Marine Sciences; Materials Science; Mathematics; Microbiology and Immunology; Neurobiology; Nutrition; Occupational Therapy; Operative Dentistry; Oral and Maxillofacial Pathology; Oral and Maxillofacial Radiology; Oral and Maxillofacial Surgery; Oral Biology; Orthodontics; Pathology; Pediatric Dentistry; Periodontology; Pharmaceutical Sciences; Pharmacology; Physics; Prosthodontics; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Master of Science in Clinical Research

Master of Science in Disaster Management

Master of Science in Environmental Engineering

Master of Science in Information Science

Master of Science in Library Science

Master of Science in Nursing

Master of Science in Public Health in the discipline of:
Biostatistics; Environmental Sciences and Engineering; Epidemiology; Health Behavior; Health Policy and Management; Maternal and Child Health

Master of Science in Recreation Administration

Master of Social Work

Doctor of Nursing Practice

Doctor of Philosophy in the discipline of:
American Studies; Anthropology; Art History; Biochemistry and Biophysics; Bioinformatics and Computational Biology; Biology; Biomedical Engineering; Biostatistics; Business Administration; Cell and Developmental Biology; Cell and Molecular Physiology; Chemistry; City and Regional Planning; Classics; Communication Studies; Comparative Literature; Computer Science; Ecology; Economics; Education; English; Environmental Sciences and Engineering; Epidemiology; Genetics and Molecular Biology; Geography; Geological Sciences; Germanic Languages; German Studies; Health Behavior; Health Policy and Management; History; Human Movement Science; Information and Library Science; Marine Sciences; Mass Communication; Materials Science; Maternal and Child Health; Mathematics; Microbiology and Immunology; Musicology; Neurobiology; Nursing; Nutrition; Occupational Science; Oral Biology; Pathology; Pharmaceutical Sciences; Pharmacology; Philosophy; Physics; Political Science; Psychology; Public Policy; Religious Studies; Romance Languages and Literatures; School Psychology; Social Work; Sociology; Speech and Hearing Sciences; Statistics and Operations Research; Toxicology

Doctor of Public Health in the discipline of:
Biostatistics; Health Behavior; Health Policy and Management; Maternal and Child Health; Nutrition

PROFESSIONAL DEGREES

Doctor of Audiology

Doctor of Dental Surgery

Doctor of Education in the discipline of:
Curriculum and Instruction; Educational Leadership

Doctor of Medicine

Doctor of Pharmacy

Doctor of Physical Therapy

Juris Doctor

CANDIDATES *for* GRADUATE DEGREES

December 2015 | *Degree candidates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Alden Charles Adrion, *Environmental Sciences and Engineering,* Improving PAH Biodegradation in Contaminated Soil by Adding Surfactant After Conventional Biological Treatment. Professor Michael Aitken.

Asad Ali Ahmad, *Biomedical Engineering,* Creation of an In-Vitro Generated Colonic Stem-Cell Niche Using Gradient-Generating Microdevices. Professor Nancy Allbritton.

Robert Aldredge, *Biology,* Examining the Causes and Consequences of Variation in Offspring Growth and Survival in an Altricial Bird. Professor Keith Sockman.

Maura Allaire, *Environmental Sciences and Engineering,* Adapting to Extreme Events: Household Response to Floods in Urban Areas. Professor Dale Whittington.

Erin Arizzi, *Communication Studies,* Modeling Professional Femininity Through U.S. Media Culture, 1963–2015. Professor Richard Cante.

Samantha Marie Attard, *Nutrition,* Changing Lifestyles in the Urbanizing Environment: How Urbanicity and Income Relate to Diet, Physical Activity and BMI Across Different Stages of Urbanization. Professor Penny Gordon-Larsen.

Julia Elizabeth Ault, *History,* Saving Nature in Socialism: East Germany's Official and Independent Environmentalism, 1968–1990. Professor Konrad Jarausch.

Francesca Bargiacchi, *Pharmacology,* Molecular Dissection of Breast Luminal Transcription Networks. Professor H. Shelton Earp.

Stephanie Patricia Bellendir, *Genetics and Molecular Biology,* Genetic and Biochemical Characterization of Drosophila Gen During DNA Repair and Recombination. Professor Jeff Sekelsky.

Janet Berrios, *Neurobiology,* Maternal Ube3a is Required for Neurotypical Motivational Drive and GABA Co-Release. Professors Thomas Kash and Benjamin Philpot.

William Black, *Chemistry,* Development and Application of Microfluidic Capillary Electrophoresis-Electrospray Ionization Devices for the Analysis of Biological Samples. Professor J. Michael Ramsey.

Kira Bradford, *Chemistry,* Structure-Function Studies of the Initiation Response of Human Mismatch Repair Proteins to DNA Containing a Mismatch. Professors Dorothy Erie and Matthew Redinbo.

Paul Henry Brodish, *Public Policy,* Three Essays on Wealth and Income Inequality and Population Health in Global and Domestic Contexts. Professor Benjamin Meier.

Wei Cheng, *Computer Science,* Toward Robust Group-Wise eQTL Mapping via Integrating Multi-Domain Heterogeneous Data. Professor Wei Wang.

Byeongyeob Choi, *Biostatistics,* Statistical Contributions to Non-Experimental Studies. Professors Jason Fine and Maurice Brookhart.

Sarah Claypool, *Pharmaceutical Sciences,* Characterization and Application of Highly Specific 2'-F RNA Aptamers Targeting a Potentially Novel Pancreatic Ductal Adenocarcinoma (PDAC) Biomarker(s). Professors Rihe Liu and Mike Jarstfer.

Kate Elizabeth Coleman, *Genetics and Molecular Biology,* Coordination of Replication-Coupled Protein Destruction and Origin Licensing Control During Cell Cycle Transitions. Professor Jeanette Cook.

Kathleen Crosby, *English,* Geographies of the Mind: Narrative Spaces and Literary Landscapes in William Gilmore Simms's Antebellum Fiction. Professor Philip Gura.

Nikki Crowley, *Neurobiology,* Kappa Opioid Receptor Modulation of Neurotransmission in the Amygdala. Professor Thomas Kash.

Cara Ross Damiano, *Psychology,* Neural Mechanisms of Uncertainty Processing in Children With Autism Spectrum Disorders. Professor Gabriel Dichter.

Genna R. Durante, *Education (School Psychology),* Parent Interactive Behaviors and Language Development in Children with Autism Spectrum Disorder, Fragile X Syndrome and No Disability. Professor Rune Simeonsson.

Amanda Dye, *Environmental Sciences and Engineering,* Analysis of Two-Fluid-Phase Porous Medium Systems Using Microscale Experiments and Lattice Boltzmann Modeling. Professor Cass Miller.

Melissa Ellermann, *Microbiology and Immunology,* Iron and the Intestinal Microbiota in Inflammatory Bowel Diseases. Professor Ryan Sartor.

Hayley Henrikson Estrem, *Nursing,* Pediatric Feeding Problems: Concept Analysis and Family Management. Professor Suzanne Thoyre.

Brian Spence Evans, *Ecology,* The Ecology of Birds in the Urban Landscape: Avian Community Composition, Dispersal, and Survival Across the Rural-to-Urban Gradient in Washington, D.C. Professors Allen Hurlbert and Peter Marra.

Andrew D. Fant, *Pharmaceutical Sciences,* The Effect of Data Curation on the Accuracy of Quantitative Structure-Activity Relationship Models. Professor Alexander Tropsha.

Joey Ann Fink, *History,* The Many Norma Raes: Working-Class Women in the 1970s Campaign to Organize J.P. Stevens. Professor Jacquelyn Hall.

Adam David Friedman, *Pharmaceutical Sciences,* The Selection of Highly Stable Aptamer From A 2'-Fully Modified fGmH RNA Library. Professors Rihe Liu and Michael Jarstfer.

Chen-Ping Fu, *Computer Science,* Analysis of Admixed Animals Using Indirect Haplotype Information from Existing Technologies. Professor Leonard McMillan.

Michelle Mereana Gabriel, *Chemistry,* Imaging Ultrafast Dynamics in Nanomaterial Using Spatially Separated Pump-Probe Microscopy. Professor John Papanikolas.

Anne A. Galyean, *Environmental Sciences and Engineering,* Characterizing Silver Engineered Nanoparticles in a Natural Water: Analytical Considerations for Instrumental and Environmental Factors Using Asymmetric Flow Field Flow Fractionation. Professor Howard Weinberg.

Christopher Garrett, *Biochemistry and Biophysics,* Characterization of a Key Mycobacterium Tuberculosis Lipase, Lipy. Professor Saskia Neher.

Leanna Rae Gentry, *Pharmacology,* Targeting the Ras-Ral Effector Pathway for Cancer Treatment. Professors Channing Der and Adrienne Cox.

Brian Clemon Gibbs, *Cell and Developmental Biology,* PRICKLE1 Mutation Causes Planar Cell Polarity and Directional Cell Migration Defects Associated With Cardiac Outflow Tract Anomalies and Other Structural Birth Defects. Professor Cecilia Lo.

Louise Caroline Giffin, *Microbiology and Immunology,* Manipulation and Exploitation of the Host Cell by Kaposi's Sarcoma-Associated Herpesvirus. Professor Blossom Damania.

Emily Meedith Gillen, *Health Policy and Management,* Determinants and Effects of Plan Selection in the Non-Group Health Insurance Market. Professor Kristen Hassmiller Lich.

Erik J. Grell, *Carolina-Duke Joint Program in German Studies,* Liberal Affect and Literary Culture: The Politics of Feeling in Mid-19th-Century German Fiction. Professor Jonathan Hess.

Amanda Grigg, *Political Science,* A Feminist Analysis of Contemporary Women's Health: Bringing Marginalized Women to the Center. Professor Susan Bickford.

Syung Jin Han, *Business Administration,* Foreign Investors, Stock Price Informativeness, and Multinational Corporations. Professors Christian Lundblad and Chotibhak Jotikasthira.

Ariel D. Hanson, *Biomedical Engineering,* Strategies for Ex Vivo Models of Human Hepatopoiesis Demonstrating Zonation of Phenotypic Traits. Professor Lola Reid.

Carolyn Hardin, *Communication Studies,* Arbitrage: A Critique of the Political Economy of Finance. Professor Lawrence Grossberg.

Jared S. Heinly, *Computer Science,* Toward Efficient and Robust Large-Scale Structure-From-Motion Systems. Professors Jan-Michael Frahm and Enrique Dunn.

Derek John Holmgren, *History,* "Gateway to Freedom": The Friedland Refugee Transit Camp as Regulating Humanitarianism, 1945–1960. Professor Konrad Jarausch.

Jenna Bone Honeycutt, *Microbiology and Immunology,* Investigation of the Role of Myeloid and T Cells in Human Immunodeficiency Virus (HIV) Infection and Persistence In Vivo. Professor J. Victor Garcia-Martinez.

Carolyn Huang, *Public Policy,* Sub-Saharan African Social and Health Policies and the Poor: Three Essays Examining Impacts of Public Programs on Maternal Health Utilization, Children's Health, and Household Composition. Professor Sudhanshu Handa.

Joshua Matthew Jackson, *Chemistry,* Microfluidic Systems for Isolating and Analyzing Circulating Cancer Cells From the Peripheral Blood of Patients With Epithelial Cancers and Acute Myeloid Leukemia. Professor Steven Soper.

THE BELL TOWER

The Morehead–Patterson Memorial Bell Tower was given to the University in 1931 by John Motley Morehead III and Rufus Lenoir Patterson. Its 14-bell carillon rings both manually and electronically to call students to class, provide twilight music and serenade the dispersing crowd after football games. Rising 172 feet, the tower is surrounded by a hedge and lawn designed by William C. Coker, botany professor and creator of the campus Arboretum.

Tim Jacobs, *Bioinformatics and Computational Biology,* De Novo Proteins Designed From Evolutionary Principles. Professor Brian Kuhlman.

Stephen William Jones, *Cell and Developmental Biology,* Nanoparticle Clearance is Governed by Th1/Th2 Immunity and Strain Background. Professor James Bear.

Vincent Nicolas Joos, *Anthropology,* Urban Dwellings, Haitian Citizenships: Housing, Daily Life and Memory in Port-Au-Prince, Haiti. Professor Rudolf Colloredo-Mansfeld.

Jason Kahn, *Psychology,* The Effects of Fluency of Lexical and Phonological Retrieval Processing on Spoken Word Duration. Professor Jennifer Arnold.

Shane M. Khan, *Maternal and Child Health,* The Delivery of Post Natal Care and Its Association With Newborn Survival and Feeding: A Focus on Africa. Professor Ilene Speizer.

Mohammadhadi Kiapour, *Computer Science,* Large Scale Visual Recognition of Clothing, People and Styles. Professor Tamara Berg.

Sujeong Kim, *Computer Science,* Velocity-Space Reasoning for Interactive Simulation of Dynamic Crowd Behaviors. Professor Dinesh Manocha.

Kyle David Konze, *Pharmaceutical Sciences,* Chemical Probes for the Lysine Methyltransferases EZH2 and G9A: Design, Development and Application. Professors Jian Jin and Michael Jarstfer.

Vinal Vinodrai Lakhani, *Bioinformatics and Computational Biology,* Particle-Based Stochastic Reaction-Diffusion Models to Investigate Spatio-Temporal Dynamics in Cell Biology. Professor Timothy Elston.

Brittany Lehman, *History,* Teaching Migrant Children: Debates, Policies and Practices in West Germany and Europe, 1949–1992. Professors Karen Hageman and Konrad Jarausch.

Ruiwei Liang, *Dentistry (Oral Biology),* Effect of NF-κB Haploinsufficiency on Calvarial Bone Healing. Professor Lyndon Cooper.

Thiago Ghirello Lima, *Biology,* Local Adaptation and Reproductive Isolation in the Copepod Tigriopus Californicus. Professor Christopher Willett.

Minghui Liu, *Statistics and Operations Research,* Elementary Reformulation and Succinct Certificates in Conic Linear Programming. Professor Gabor Pataki.

Xin Liu, *Romance Languages and Literatures,* Italian Literary and Cinematic Representations of China and the Chinese (1949–2011). Professor Federico Luisetti.

Yiyi Liu, *Economics,* Build-Operate-Transfer: A Concrete Study of Public-Private Partnerships. Professor Gary Biglaiser.

Jacqueline Marie MacMullin, *Physics,* Validation of the Background Model for the Majorana Demonstrator. Professor John Wilkerson.

Kimberly Elizabeth Maxfield, *Pharmacology,* Genetic Dissection of Therapeutic Intervention Targets in Triple Negative Breast Cancer. Professor Angelique Whitehurst.

Melanie McCabe, *Education (School Psychology),* Sickle Cell Disease, Education and Later Life Outcomes. Professors Rune Simeonsson and Christopher Edwards.

Qi Mo, *Computer Science,* Efficient Light and Sound Propagation in Refractive Media With Analytic Ray Curve Tracer. Professor Dinesh Manocha.

Jabulani Ncayiyana, *Epidemiology,* Latent Tuberculosis Infection Prevalence, Spatial Clustering and Risk Factors in a South African Urban Informal Settlement. Professor Annelies van Rie.

Christine Paprocki, *Psychology,* Relationship-Based Anxiety: Using a Cognitive-Behavioral Perspective to Develop and Evaluate a Couple's Intervention. Professor Donald Baucom.

Kevin Alan Park, *City and Regional Planning,* Mortgage Insurance in the Great Recession. Professor Roberto Quercia.

Patsy Polston, *Environmental Sciences and Engineering,* Development and Evaluation of Candidate Microbial Source Tracking Markers To Use Following Land Applications of Biosolids. Professor Jill Stewart.

Marc Potempa, *Microbiology and Immunology,* Mechanisms Regulating HIV-1 Protease Activity. Professor Ronald Swanstrom.

John David Roche, *History,* "[America] May Be Conquered With More Ease Than Governed": The Evolution of British Occupation Policy During the American Revolution. Professor Wayne Lee.

Pourab Roy, *Biostatistics,* Non-Parametric and Semi-Parametric Estimation in Forward and Backward Recurrence Time Data. Professors Michael Kosorok and Jason Fine.

Carrie Rubel, *Pharmacology,* Defining the Molecular Mechanisms of Ubiquitin Proteasome System Dysfunction as a Driver of Disease: CHIP Mutation in SCAR16. Professor Gary Johnson.

Pratyaydipta Rudra, *Biostatistics,* Statistical Tools for General Association Testing and Control of False Discoveries in Group Testing. Professor Fred Wright.

Monica L. Schmidt, *Health Policy and Management,* Design and Validation of Two Predictive Models for Mortality and Readmission Following Surgery in Patients with Liver Cirrhosis. Professor Morris Weinberger.

Anthony M. Sease, *City and Regional Planning,* Lenses of Practice: Disciplinary Terrains and the Shaping of Tobacco Road. Professor Daniel Rodriguez.

Sara Selitsky, *Bioinformatics and Computational Biology,* Small RNA Transcriptomic Analysis During Chronic Viral Hepatitis and Cancer. Professors Praveen Sethupathy and Stanley Lemon.

Robert Jacks Sharpe, *Chemistry,* On the Merits of Stereoselective Desymmetrization Reactions in the Assembly of Complex Natural Molecules: The Total Synthesis of Pactamycin and Paspaline. Professor Jeffrey Johnson.

Siddharth Kaup Shenoy, *Biomedical Engineering,* Engineering Systems to Study the Mechanics of Cilia- and Airflow-Mediated Mucus Clearance. Professors Brian Button and Robert Dennis.

Courtney Aimee Short, *History,* "The Most Vital Question": Race and Identity in Occupation Policy Construction and Practice, Okinawa, 1945–1946. Professor Joseph Glatthaar.

Raquel Azevedo Silva, *Environmental Sciences and Engineering,* Climate Change, Air Quality and Human Health: Quantifying the Global Mortality Impacts of Present and Future Ozone and PM2.5 Ambient Air Pollution. Professor J. West.

Emily Rose Smith, *Epidemiology,* Point-of-Care HIV Testing for Early Infant Diagnosis During the Postpartum Period: Timing and Type of Test Matters. Professor Annelies Van Rie.

Daniel Soques, *Economics,* Regime-Switching Models of the Business Cycle. Professor Neville Francis.

Ampai Soros, *Environmental Sciences and Engineering,* Chitosan Coagulation for Household Water Treatment in Developing Countries. Professors Mark Sobsey and Lisa Casanova.

Sandra Elizabeth Spencer, *Chemistry,* Development of an Aerosol Mass Spectrometry System for the Analysis of the Composition of Aerosol Particles in Real Time. Professor Gary Glish.

Anna Christine Stagg, *Education (School Psychology),* The Role of Parent and Peer Attachment in the Relationship Between Abuse History and Adolescent Social and Behavioral Outcomes. Professor Rune Simeonsson.

Paul Joseph Staplcton, *Comparative Literature,* The Cross in Elizabethan England: An Image in an Age of Iconoclasm. Professor Jessica Wolfe.

Nikolas Stasulli, *Microbiology and Immunology,* Identification of Host and Bacterial Factors That Contribute to Lung Lesion Structure During Pneumonic Plague. Professor William Goldman.

Dalia Stern, Nutrition, Is Shopping at Certain Types of Stores Associated With the Nutrient Profile of Packaged Foods Purchased by U.S. Households? Professor Barry Popkin.

Joseph Christian Straubhaar-Jones, *German Studies,* Understanding the Visuality of a Medieval Visionary: Fourteenth-Century Dominican Henry Suso's Interwoven Concepts of Divine Image, Gendered Identity and Epistemology. Professor Ann Marie Rasmussen.

James William Treadway, *Chemistry,* Synthesis and Chromatographic Evaluation of Superficially Porous Particles for Ultrahigh Pressure Liquid Chromatography. Professor James Jorgenson.

Nicholas Peter Vitko, *Microbiology and Immunology,* Metabolic Adaptation of Staphylococcus Aureus to Low-Respiratory Conditions Encountered During Invasive Infection. Professor Anthony Richardson.

Zhe Wang, *Business Administration,* Models for Retail Inventory Management with Demand Learning. Professor Adam Mersereau.

Kelly Ann Watson, *Cell and Developmental Biology,* Molecular Mechanism of the Interaction Between LGL/TOMOSYN Homolog, SRO7 and the RAB GTPASE SEC4 in Polarized Exocytosis. Professor Patrick Brennwald.

Holly Wei, *Nursing,* The Experiences and Care Needs of Parents Whose Children Are Born With Congenital Heart Disease. Professors Cecelia Roscigno and Kristen Swanson.

Matthew Weiser, *Bioinformatics and Computational Biology,* Probing the Architecture of Complex Traits: Functional Genomics Methods and Applications. Professor Fernando Pardo-Manuel De Villena.

Kelly Michelle Wentland, *Business Administration,* The Effect of Industrial Diversification on Firm Taxes. Professor Edward Maydew.

Alexandra J. White, *Epidemiology,* Multiple Sources of PAH Exposure, DNA Methylation and Breast Cancer. Professor Marilie Gammon.

Rebecca Jane Worsham, *Classics,* Discontinuous Settlement Structures and Social Organization in Late Early Helladic and Middle Helladic Greece. Professor Donald Haggis.

Joshua David Yablonski, *Chemistry,* Design, Fabrication and Characterization of Organic Electronic Devices for Thermoelectric Applications. Professor Wei You.

Xin Zhou, *Biostatistics,* Machine Learning Techniques for Optimal Treatment Regimes. Professor Michael Kosorok.

Benjamin Ziehr, *Microbiology and Immunology,* Translation Regulation During HCMV Infection. Professors Nathaniel Moorman and Mark Heise.

DOCTOR OF NURSING PRACTICE

Megan Ann Brissie, *Nursing,* Refining, Implementing and Evaluating a Neuro Early Mobilization Protocol in the Neuroscience Intensive Care Unit. Professor Meg Zomorodi.

Erin Flitt, Nursing, Creating and Evaluating a Toolkit for Shared Medical Appointments for Hypertension Management in a Jail Setting. Professor Debra Barksdale.

Nancy Lawson Loyack, Nursing, Expectations of Recovery after Lumbar Spine Surgery: A Quality Improvement Project to Improve Patient Satisfaction. Professor Debra Barksdale.

DOCTOR OF PUBLIC HEALTH

Eric J. B. Daza, *Biostatistics,* Longitudinal Regression Conditioning on Continuation. Professors Michael Hudgens and Amy Herring.

Jacqueline Au McPherson, *Health Policy and Management,* Healthcare Waste Management for Hospitals in Resource-Constrained Settings: What Determines Effective Implementation? Professor John Paul.

Angela Odiachi, *Health Policy and Management,* The Impact of Disclosure on Health Outcomes in HIV-Infected Nigerian Children. Professor Harsha Thirumurthy.

Amy Weissman, *Health Policy and Management,* Overcoming the Identified Sociopolitical Barriers to a National Nutrition Response in Cambodia. Professor Suzanne Babich.

CANDIDATES *for* POSTBACCALAUREATE PROFESSIONAL DEGREES

December 2015

The School of Law
ESTABLISHED 1843
Dean Martin H. Brinkley

JURIS DOCTOR
Andrew T. Barnhill
Catherine Ann Caycedo
Meredith M. Hermann
Emily Elizabeth Roscoe

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF MEDICINE
Bim Thuy Dung Ngoc Dang
Benjamin Lewis Hechler
Christopher S. McDaniel
James Alexander Phero
Richard Lee Sherwood

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Ashley Renee Higgins
Kevin L. Poindexter

THE OLD WELL

At the heart of the campus stands the visual symbol of the University of North Carolina at Chapel Hill. For many years the Old Well served as the sole water supply for Old East and Old West dormitories. In 1897, the well was given its present decorative form at the direction of President Edwin A. Alderman, who described his beautification project as largely derived from the Temple of Love in the Garden of Versailles. In 1954, the well was given added beauty with brick walks, plantings and benches. Legend holds that students can bring good luck with a drink from the Old Well on the first day of classes.

FOR CAROLINA'S NEWEST ALUMNI

The UNC General Alumni Association is eager to help the class of 2015 make a successful transition from student to alumna/us. We'll keep Carolina connections strong by introducing our newest graduates to our vast network of supportive alumni. We also provide communications, programs and services to keep you informed and involved.

ALUMNI RECORDS
Don't miss out on special invitations and services. Keep your record updated.

ALUMNI CAREER SERVICES
The GAA's Alumni Career Services will help you navigate employment options and opportunities throughout your career. Whether you already have a job, are heading to graduate school or are still looking for your next step, we can help.

EVENTS WITH TAR HEELS
No matter where you roam, there will likely be others in your midst who attended Carolina. The GAA will help with those introductions – don't miss out.

SOCIAL MEDIA
Jump start your alumni life – join the GAA's groups on Facebook, LinkedIn, Twitter and Instagram.

TRUSTED SOURCE
Information is everywhere, but you can count on the GAA's young alumni e-newsletter The Quad and the Carolina Alumni Review to bring you home again with every issue.

Special membership rates are available to new grads. Save $50 on life membership – $32.35/month for 24 months. New grads can also save $20/year on the first three years of an auto-renewing membership.

For more information on how the GAA serves new graduates, please call Katie Thore '15 or Diana Koonce '02 at (800) 962-0742 or email membership@unc.edu. Visit us on the Web at alumni.unc.edu.

THE CHANCELLOR'S MEDAL

The chancellor's medal, an emblem of the office of chancellor, is worn during the University's ceremonial occasions. The sterling silver disk, which is three inches in diameter and seven ounces Troy weight, was given to the University by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders. Modeled by sculptor Pete Hinton and bearing the University seal, it was first worn by Chancellor Paul Hardin during the 1994 University Day convocation. The medal was recently updated with a silver chain of office that includes thin rectangles engraved with the names and dates of service of previous UNC chancellors. It also features links made in the shape of the Old Well and the Davie Poplar leaves, both icons of the Carolina campus.

THE BICENTENNIAL STAFF

The faculty marshal carries the bicentennial staff while leading the faculty processional on ceremonial occasions such as Commencement and University Day. The staff, commissioned for the University's 1993 bicentennial celebration by John Sanders, professor emeritus and former director of the UNC Institute of Government, and his wife, Ann Beal Sanders, was modeled by sculptor Pete Hinton. It consists of a sterling silver three-inch-high replica of the Old Well mounted on a turned and tapered oak shaft. The shaft was made from timber salvaged from the 1822 section of Old West residence hall during its 1991–1993 renovation.

UNIVERSITY COLORS

As symbols of unity among Carolina students, alumni and fans, the school colors of light blue and white were first used around 1800 to distinguish between members of the Dialectic and Philanthropic Literary Societies. Throughout the 19th century, students were required to be members of either the Di or the Phi. The Di's color was light blue, and the Phi's was white.

At University commencements, balls and other social events, the student officials, managers and marshals wore the color of

CANDIDATES *for* GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

December 2015

The Graduate School

ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Communication Studies
Ryan Blaine Brownlow
Mary Eileen Hammond
Ashley Ann Mattheis

Education
Hanjie Bao
Beijia Chen
Zhuo Chen
Can Cui
Jinyuan Gao
Yajun Han
Rui He
Yuning Huang
Haoruo Li
Le Li
Xiaoyu Li
Yongmei Li
Sen Lin
Junye Liu
Yiyue Qiao
Rongchenzi Wang
Rui Wang
Yizhe Wu
Yuchen Xie
Huali Xu
Cihang Yang
Qing Yang
Bolun Zhang
Zihang Zhang
Ziqi Zhang
Yehua Zhong

Geography
John Aron Sandell
Charles Isaac Scaife

Linguistics
Xuewei Li
Ye Zhao

Musicology
John S. Caldwell

Philosophy
Michael Thomas Licciardi

Psychology
Chelsea Burfeind
Teague Rhine Henry
Katherine Aidan Perkins

Romance Languages and Literatures
Cameron John Bunch

Sociology
Taylor Whitten Brown
Daowen Chen
Laura Krull
Ricardo David Martinez-Schuldt
Anna Rybinska
Joshua Thomas Wassink

Technology and Communication
Corey Lee Broman-Fulks
Ben T. Donnelly
Miranda Dotson
Patricia Anne Harrison
Tavaras Quanta Holden
Andrew Joyner
Sarah Elizabeth Lamm
Zachary Rearick
John Frederick Roberts
Randall Claire Roberts
Mary Elizabeth Sandell
Kristin Leigh Thompson
Alexander Edwards Waterworth
Jennifer Anne Westfall
Ashlie Brook White

MASTER OF CITY AND REGIONAL PLANNING

Yun Li
Julio Marcelino Paredes Jr.

MASTER OF PROFESSIONAL SCIENCE

Evan Michael Galloway
Holly E. Hall
Amanda Claire Krzywinski
Andrew Novokhatny

MASTER OF SCIENCE

Biochemistry and Biophysics
Bowen Xu

their society, blue or white. Because the chief marshal or chief ball manager represented the whole student body, not just his society, he wore both colors.

When the University fielded its first intercollegiate athletic teams in 1888, the question of what colors to wear had already been answered. Light blue and white had come to symbolize membership in the University, not in a single society.

THE UNIVERSITY SEAL

The University seal typically appears on diplomas and graduation materials, grade transcripts and documents that indicate accomplishment in or on behalf of the University.

The first seal of the University of North Carolina, designed in 1790, showed the face of Apollo and his emblem, the rising sun, used to symbolize the dawn of higher education in the state. The words "SIGUL UNIVERSITAT CAROL SEPTENT" (Seal of the University of North Carolina) surrounded the drawing.

A modification in 1895 added lighted torches of learning beside Apollo's profile. Two years later another alteration replaced Apollo's head with a shield on which the words Lux (light) and Libertas (liberty), separated by a white band running from the upper right to the lower left of the shield, appeared.

In the 1940s, some observers mistakenly claimed the white stripe on the shield was a bend sinister, a heraldic code that was demeaning. In truth, the stripe was a bar sinister and merely denoted a second or later son. Still, the direction of the stripe was reversed, removing any question of stigma.

Today's seal is the same as the 1897 version, except the stripe runs from the upper left to the lower right.

Biology
Joel James Adamson

Biomedical Engineering
Michael Richard Boyle

Biostatistics
Thomas Michael Conrad

Business Administration
Luei Lin Ong

Chemistry
Catherine G. Burton
Yung Chan
Taylor Franklin Harris

Clinical Rehabilitation and Mental Health Counseling
Seungeun Lee

Computer Science
Matthew Charles Adams
Michael Fremont Deakin
Dinghuang Ji
Chun-Wei Liu
Rui Liu
Chong Shao
Bingjie Song

Economics
Gerard Robert Fischetti
Rayan Joneydi

Environmental Sciences and Engineering
Kevin Chu
Adam McCutchan Hise

Genetics and Molecular Biology
Duncan Alexander McPherson
Daniela Fernanda Munoz

Marine Sciences
Kelsey Ann Ellis
Jihyuk Kim
Caleb Daniel King
Carly Maria Moreno
Joseph Philip Morton

Occupational Therapy
Myranda Conway
Caitlin Louise Crane
Kristin Nicole Rankin

Pediatric Dentistry
Jenna Bridger Alvey

Physics
Philip Wulfken

Statistics and Operations Research
Mengqi Chen
Yifan Cui
Qing Duan
Li Gou
Yunhao Liu
Tong Shan
Haozhen Xu
Leicheng Yin
Joseph L. Zappa
Guosheng Zhang
Zhitao Zhang

Toxicology
Michael Wayne Henderson

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF BUSINESS ADMINISTRATION
Juliana Maria Almeida
Jacob Robert Anderson
Gifty Andzie
Jennifer L. Arnell
John Baber
Jonathan Peters Badgett
Ethan Zachary Baker
Brooke Barber
R. Scott Barber
Samuel T. Barron
Newel R. Bartlett
William Frederick Beers III
Katrina B. Benishek
Diana P. Berry
Deepika Bhargava
Nihit Bhargava
Dewang Satish Bhavsar
Jay F. Blankenship
Matthew Joseph Blickley
Michael Anderson Blount
Willard Clay Blue Jr.
Stephanie B. Bopp
Timothy J. Botti
Keith Roger Boucher
Michael P. Buckley
Omar L. Caban
Eric John Callahan
Jaclyn F. Cannon
Elizabeth Kalinski Cassutti
Nicholas A. Chambers
Vinay Chandrasekhar
Chris Kyung-Hoon Chang
Satish Chebrolu
Luke Francis Chen
Michelle Cheslek
Christopher L. Consiglio
Poe Corn
Stephen E. Cornwell
James Corriher
Andrew Thompson Cothran
Ashley N. Coup
Cedric Bernard Courteix
Carrie L. Craft
Justin Cramer
Jeffrey Milton Cretz
John Michael Crowell
Kevin D. Crowley
William Cunningham
Monika Czurylo
Andrew Peter D'Epagnier
Raymond Charles Daniels
Jeremiah Davis
Chantarella De Blois
Bryan Russell Deaton
David John De La Cruz
Eren Demirhan
Keyur Rajnikant Desai
Daniel J. Di Girolamo
Randy A. Dominguez
Zachariah J. Doran
Berek Joseph Dostie
Andrew Douglas
Benjamin D. Doyle
John M. Durbin
Matthew D. Dyer
Melinda Sue Edwards
Mohamed Amr El Ayouty
James G. Elkins
Richard A. Ellender
Jason T. Erickson
Jarick L. Evans
Andrew Farina
Timothy Matthew Farrell
Rochelle C. Fink
Martina Ann Fraschetti
Prakash Gajendran
Ryan Allan Arcalas Garcia
Ronald Joseph Gevry Jr.
Gerald Glickman
Katie Lee Glover
James C. Goerke
Christopher R. Gostel
Chinmoy Goswami
Jessica Woodard Gotwalt
Kathryn M. Graves
Thomas Christopher Grobaski
Carly Lynn Guenther
Abhijat Amitabh Gupta
Jon Kirk Gutekunst
Lindsey Christine Hack
Kiyomi Hamilton
Kolan J. Hairston
Jeffrey M. Harding
Visvanathan Hariharan
William Thomas Harvey
John Hathorn
Alicia Ann Heaney
Bharath K. Hemachandran
Dustin L. Hill
Eric R. Horning
Joseph Clinton Jensen
Marek Castner Jestrab
Colin C. Johnson
Abhijit A. Joshi
Raghavateja Kalapatapu
Edward Leons Katemba
William Ke
Richard H. Kelly
Roy M. Kerney
Ryan J. Kindred
Richard M. Kirwan
Michael Kloepper
Ronald R. Lagman
Charles Francis Lamb
Jason Sinclair Lambert
Mankit Law
Pakita Annette Lee
Sharnee D. Legrand
Mandeep Lehal
Adam F. Lupisella
Rodolfo Gabriel Madlang
Emmanuel E. Makolo
Frank Manole
Ian Bebvon Kuwait Martin
Justin Todd Matthews
Matthew John McCallum
Meisha Yvonne McDaniel
Jon C. McDowell
Michael D. McGhan
William J. McSorley
David Jonathan Medoff
Abhishek Mehrotra
Lesley-Ann N. Miller
Johnathan Miranda
Jenneth Jones Mitchell
Jonathan T. Morgan
Brenton M. Mori
Harold L. Morris

Faye Moussa
Andrew S. Mullin
Megan Anne Myers
Christopher M. Nagel
Samuel T. Navarro
Warren K. Neaves
Monica Nieto
Matthew T. Nilson
Jared J. O'Connell
Charles Oh
Vanessa A. Olbrecht
Esteban Ortega
Brett Pancoast
Katherine C. Papendick
Abbey E. Parker
Christopher Glenn Parker
Alan Pascoe
Orkhan Pashayev
Ketula Patel
Jackson C. Payne
Varun Choudary Pinnamaneni
Christopher P. Price
David L. Przybylo
Scott Anthony Quilty
Piyush Raj
Heather N. Ramsey
Magdy Reda
Ronald R. Robinson
Hansel Rodriguez
John G. Rose
Adam M. Rosenkrantz
William H. Ross
Jessica Rubin
Na Sai
Peter Henry Scaturro
Matthew Scibienski
Danny L. Seals
Zachary A. Seidman
Thomas Christopher Sellers
Vinay Sequeira
Wade Sewell
Hrishikesha Shanbhag
Purushottam Shanbhag
Jeffrey R. Shenkman
Richard Lee Sherwood
Megan Elizabeth Shortle
Phillip Anthony Shumaker
Julie Anne Siler
Bandeep Singh
Alfredo Sisiruca
Andrew A. Slager
Dustin Edward Stewart
Kevin Douglas Stoll
Eric M. Strumpf
James Michael Studley
Krishna K. Subramanyan
Michael Szalkowski
Ahmad Tariq
Michael Timothy Tarrant
Anil Kumar Tatineni
Anjali Pankaj Telang
Patrick B. Thompson
Aaron R. Thornton
Lizbeth Torres Ornelas
Michael P. Tremmel
Latham H. Turner
Rachael Baldwin Van Devender
Kathleen Michele Veale
Michael Vizcaino
Matthew Joseph Waligora
Rahim H. Walker
Andre S. Walters
Nicole Washington-Dean
Thomas E. Watkinson
Ahmad K. White
Daniel F. Wiley
Jason G. Williams
Travis Wold
Christopher Woods
Joshua Ryan Woodward
Allan Zacher III
Derek J. Zahari
Hillary Q. Zondlak

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION
Curtis Biederbeck
Paula Maria Chrin Dibley
Dana Verl Cogswell
Phillip Douglas Cordeiro
Emily Marie Edmonds
Lena Brianna Geraghty
Kelly Marie Kleinkort
Kelsey Krueger
Josue E. Lopez
Keri Elise Majikes
Marianne Lyn Martinez
Matthew Raymond Osterhoudt
Kiia Jamala Owens
Seth Duncan Peltier
Jeffrey Michael Pies
Sarah Elizabeth Richardson
Karissa Kay Schafer
Michael Trevin Silver
Richard Scott Takacs
Brent William Thompson
Dustin Michael Tripp
Faye Angharad White
Daniel Widenhouse
George William Zuban Jr.

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Rose Marie Combs
Madeline Anne Coven
Olivia Danielle Dorsey
Bendte Leigh Fagge
Sreenivasula Reddy Gajjala
Sierra Raell Moore
Lauren Waters Turpin

MASTER OF SCIENCE IN LIBRARY SCIENCE
Elliot Maxwell Aronson
Patrick Grant Dollar
Amanda Gresham
Sierra K. Johnson
Ebony Sable McDonald
Wickliffe Winston Shreve
Latia Linda Ward

The School of Law

ESTABLISHED 1843
Dean Martin H. Brinkley

MASTER OF LAWS
Hendra Wahanu Prabandani

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY
Joslyn Jones
Briarly White Reed

MASTER OF RADIOLOGIC SCIENCE
Brianne Nicole Carmichael
Susan Irene Coleman
Leslie Nicole Jones
Eric Michael Zdrojkowski

The School of Nursing

ESTABLISHED 1950
Interim Dean Donna S. Havens

MASTER OF SCIENCE IN NURSING
Alisha Pettit Haynes
Anne Reinert

MUSIC

Graduates, families and friends attending Commencement will hear the University's beloved "Hark the Sound" and James Taylor's classic "Carolina in My Mind." These songs evoke the feelings of loyalty and friendship that students, alumni and true blue Tar Heels everywhere have for the University. But the orchestral marches that accompany the commencement processionals are equally memorable for their power and splendor. They are truly fitting musical celebrations of the talent and achievements of UNC–Chapel Hill's visiting dignitaries, faculty and graduates.

During the Commencement ceremony, members of the academic processional will be welcomed by the fanfare brass, woodwinds and drums of Nikolai Rimsky-Korsakov's "Procession of the Nobles" and Richard Strauss' "Königsmarsch." Rimsky-Korsakov wrote his majestic march to open the second act of the opera-ballet "Mlada," which premiered in Saint Petersburg, Russia, in 1892. Strauss premiered the flourishing "Königsmarsch" at a palace concert in Berlin in 1907.

The new graduates will exit the ceremony while hearing familiar Carolina melodies in "Tar Heel Rhapsody," a composition written specifically for the University that features its school songs.

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

MASTER OF HEALTHCARE ADMINISTRATION

Andrew D. Banks
Sean Carey
Chisse Cheung
Sara Megan Colvard
Tracey Ann Conrad
Armando De Jesus Contreras
Jessica Ann Dower
Emily Rebecca Einstein
Samar Ellison
Kimberly Ackerman Emory
Kenneth Harrison Fox
Deborah Kessler Hudak
Ehsan Ethan Kholdebarin
Earl J. Kilbride
Zachary Ross Kirby
Wesley Norman Knepper
Patrick F. Lackey
Peter Cory Malinosky
Donald Gibbon Martin
John Bearden McAdory
John M. McCurley
Lee Joseph Miller-Finkel
Kevin Michael O'Neil
Ashley Lewis Pappas
Alejandro Paya
John F. Prieur
Francis Eugene Rhea
Jocelyn Mason Schnell
Kristen Vogler Seifert
Brownley Elizabeth Senn
Susan Brewer Stimpson
Calvin O'Connor Tomkins
Clifford Tsun-Ho Tse
Karen Paola Vallecillo-Pereira
Robert Lewis Whittemore

MASTER OF PUBLIC HEALTH

Natalie Alexander
Omar Alhudaib
Amir Alishahitabriz
Anna Chopick Allen
Andrea Marie Andersen
Mary Christina Auten
Kendra Badger Baldwin
Nina Beth Baltierra
Emily Bellfi
Julia Lowe Bunch
Emily Ann Busey
Clifford David Cameron
Mary Carl
Kimberly Dianne Clement
Nicole Lynn Corriveau
William Emlen Darnall
Lisa Joann Englander
Alannah Christine Flanick
Betty Susan Foh
Caitlin Rose Fracchia
Alannah Kimia Gore
John Wesley Gray
Matthew Greenway
Eric Mallory Harbour
Benjamin Scott Harris
Emily Kaitlin Henderson
Meredith M. Hermann
Larelle Briana High
Sarah Henderson Hurd
Lindsay Layla Huse
Epiphanis Nnaemeka Iregbu
LeAnn Wright Jackson
Rebekah Janette Jamieson
Celia Jewell
Kwanhye Jung
Adeel Shahid Khan
Erin Page Magee
Kamaria Lynn Mason
Brian D. Matthews
Katie Lynn Donovan McNabb
Sarah Thabit Obeid
Gretchen Balboa Paule
Tracey Lorraine Posadas
Shamera Robinson
Rebecca K. Rudel
Michael Scott Runyon
Sheila Kathleen Ryan
Melanie L. Sadur
James Francis Scabilloni
Heidi Marie Scarsella
Gregory Michael Schiltz
Scott B. Schwartz
Christopher James Sellers
Lindsay Elizabeth Singler
Alison Paige Smith
Marion Elaine Smith
Kathryn Konz Fahje Steber
Hannah S. Suh
Angela Thedinga
Richard Uribe
Anthony Douglas Vance
Navjyot Kaur Vidan
Leah Anne Wakefield
Kristin Jill Wallace
Dane C. Warner
Holly Crane Watkins
Benjamin Lee White
Kaitlin Ashley Williams
Sarah Nan Zou

MASTER OF SCIENCE IN CLINICAL RESEARCH

Eveline Yawei Wu

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Xinyu Chen
Jing Deng
Yang Du
Yuyun Liang
Jianhan Wang
Michael Weiss

MASTER OF SCIENCE IN PUBLIC HEALTH

Tiffany Lyn Breger
Christina Anna Chauvenet
Devika Chawla
Nathaniel De Bono
Brett Thomas Doherty
Alice Anne Drozdiak Earley
Mary Kathryn Fletcher
Eunsoo Timothy Kim
Camila Antonia Salvo-Lewis
Margaret Holt Smith
Tracey Zola

The School of Social Work

ESTABLISHED 1920

Dean Jack M. Richman

MASTER OF SOCIAL WORK

Alice Anne Drozdiak Earley
Erin Page Magee
Jolanta McKinnie
Jenna M. Meints
Melanie L. Sadur
Kathryn Konz Fahje Steber

CANDIDATES *for* BACCALAUREATE DEGREES

December 2015

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African and Afro-American Studies
Bianca Rae Champagne Brown

American Studies
Karen Sieber*+

Anthropology
Nicholas Blake Bowden
Anna Celia Carnes
Zachary Hunter Cowan
Marina E. Florack
Mark Grayson Gibson
Autumn Jade Murray*+
Kristen Briana Revis
Mary Kathryn Shepard
Jessica Faith Smith
Logan P. Smith
Justin Dennis Thomason

Asian Studies
Anthony Ray Alexander Bragg
Kathleen Tyler Clark*
Salma Rezk

Biology
Hamda Jabbar Awan
Jonathan Stone Brodish
Zemel Zemiesha Brown
Catherine Grace Cannon
Tyler Perren Crews
Kyle Spencer Denton
Clinton Douglas Emmett
Hannah Brook English
Lorelei Feeny*
Diana Maxwell Ford*
Gabriel Isaac Gadsden
Jesse Micah Hall
Ali S. Iyoob
Kaitlyn Alyse Jung*
Yujung Kim
Isaac Lekwuwa
Avneet Kaur Nagra*
Frances E. Oppermann
Salma Rezk
Whitney Nicole Sessoms
Brooke Peyton Stemple*
Brook Gizaw Teffera
Shannon Victoria Toal
David M. Wilkinson
Cathy Picardal Wood
Elizabeth K. Wooten
Hyuna Christine Yeom
Joseph Yoo*

Chemistry
Mariah Bukola Akinbi
William A. Bass
Amos L. Fung*
Oksana Goshovska
Emily Katelyn Gottlieb
Joseph Charles Greer
Edward James Hackim
Zachary E. Heavner
Oliver Allen Isenrich
Brandon Rashad Mitchell
Angie Nguyen
Cass Alexander Palin
Susan Hyunju Seo
Nathan Scott Suskovic*
Brook Gizaw Teffera
Linda Tran

Classics
Jaboa Monique Little

Communication Studies
Amanda Marie Betner
Kristina Nicole Black
Kenneth Everett Blacknall
Kathryn Alexandra Burgiss
Casey M. Cleland
Myers A. Colvin
Roy Ellis
Liliants Janet Escobar
Robert Samuel Euler
Jessica Clare Fields
Summer Lynn Green
Noelle Nicole Hayward*
Micheal Alexander Hoffman
Elvin Jarrod James
Lynn Jia*
Emily Nicole Kaczmarczyk
Cameron J. Kania*
Sierra H. Lyda*
William Bennett Marlow
Jamie Martina
Christopher P. McGough
Brittany McKinney
Robert Campbell McNeely

DEGREES WITH DISTINCTION

To graduate with distinction or with highest distinction, undergraduate students must have completed at least 45 academic hours at UNC–Chapel Hill and have an overall grade point average of at least 3.5 or 3.8, respectively.

HONORS CAROLINA

Honors Carolina is an outstanding collection of courses, special events, and learning opportunities geared toward the top students at Carolina. It is the University's way of investing in exceptional undergraduate students by providing academic and non-academic challenges and opportunities, both inside and outside the classroom. Honors Carolina students receive priority registration for more than 160 Honors courses each year. These are small classes, taught by professors who encourage classroom discussion and hands-on research.

Students who wish to graduate from Carolina "with Honors" or "with Highest Honors" must complete a senior honors thesis project in their major field(s) of study. Such students need not have been members of Honors Carolina. They must, however, meet academic eligibility standards set by Honors Carolina and the individual departments, curricula, and professional schools that sponsor senior honors thesis programs. Senior honors thesis students must complete an original and substantial research, performance, or creative project under direct supervision by a faculty advisor. Upon the completion of their projects, students must pass an oral examination or other appropriate form of evaluation.

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Erin Melissa Mintmier
Alexa Newfield
Norkeithus K. Otis
Lorraine Enid Perez-Lugo
Rowan Jillian Perkins
Elisha Pittman
Kelli Louise Quinn
Shakeel A. Rashad
Alexia E. Samaras
Samuel Mercelle Smiley Jr.
Kelly Nicole Stewart*
Susanna C. Trotter
Virginia Elizabeth Weir
Marquise Javon Williams
Carson Ray Wooten
Catie Wyatt

Computer Science
Kevin J. Aguilar
Colin R. Arnott
George Price Wetherill Clark*
Dakota Duke Crowder
Christopher William Holtshouser
Ed Sungmoon Park
Shane Michael Smith
Steven James Walter

Dramatic Art
Casey M. Cleland
Andrieu Zachary Doyle
Kaitlin Marie O'Brien

Economics
James Nektarios Anderson
Andrea Carolina Cabrera
Yingyi Cheng
George Price Wetherill Clark*
Samuel Arnold Clark
Anh Hong Doan
James Carson Gardner
Raby George
Catherine Mary Hurlburt*
Gene Alan Jackson II
Yasmine Shanice Jackson
Douglas Alan Jampol
Amirah Mohamed Jiwa
Hope Elizabeth Johnson
Micah Lewis Jones
Soomin Jun*
Michael Lewis Kale
Minji Kim
SeHyung Kim
Sung Seung Kim
Erick C. Lee
Byron C. Mason
Justin Douglas McCallen*
Arash Moazzami
Daniel Arturo Mora
Endi Morava
Michael E. Palin
Samuel Z. Peskin
Paul Benjamin Peters IV
Yeteng Qiao
Jon-Luke Ramos
David Allen Sawyer Jr.
Carl Eduardo Sitavi
Tatjana Spasojevic
Nathan Scott Suskovic*
Mark Fulton Timmons
Khoi Minh Tran*
Maik Ulrich
Dalton Michael Ward
Gordon Legrey Williams
Cathy Picardal Wood
Xiaoxi Xiong*
Liziqiu Yang*
Wenxin Yang

English
James Alexander Brown
Anindita Doris Bruce
Margaret Cannon
Carolyn Margaret Ebeling*
Crystal Gore
Daria Breanna Grissom
Danielle Elizabeth Herman*
Mariana Huer*
Leila Ismail
Latrisha Anne Jenkins
Mackenzie Page Koppenhofer
Adrienne J. Laniak*
Robert Raymond Lucci
Megan Elizabeth O'Hern
Rowan Jillian Perkins
Erinn A. Schneider
Joseph William Schwartz*
Landon Turner

Environmental Studies
Ethan Paul Laney
Amanda Maxine Liggin
Madelaine Jean Roberts*
Amy Michelle Rowland
Michael Austin Whitehead

Exercise and Sport Science
Edward Kwame Ababio
Rachel Elizabeth Adams*
Charles McLain Brady
Paige Chase
Camara Nicole Copeland
Maggie J. Correll
Sean R. Daley
Zachary Cooper Davis
Philip Charles Diaz
Eti Ebong
Brittanie Yvonne Fisher
Benjamin Trent Gabriel
Heather Jannee Gearhart
Katherine Glenn
Bryane S. Heaberlin
Thomas Boyd Hibbard
Richard L. Hiers
Mackenzie Ross Hollins
Elvin Jarrod James
Kaitlyn Alyse Jung*
Bettina Junghahn
Jessica Silverman Mai
Jordan C. McCrary
Le'Asia Le'Zet Merritt
Romar Sieh Morris
Liza Jane Myrick
Luke Christopher Naylor
Anna Michelle Nudo
Odera Nwamaka Okaneme
Erica Nicole Orrell
Michael Joey Porcenat
Nicole Katherine Powers
Shakeel A. Rashad
Aditya Sapasetty
Maddisson E. Sheppard
Matthew Austin Spencer
Andrew G. Stafford
Michole M. Timm
Jason L. Trull
Landon Turner
Graham Williams

Geological Sciences
Kelsey Archer Barnhill*
Chelsea Eva Herman

Germanic and Slavic Languages and Literatures
Colin Jacob Kantor*
Alexandria G. Nystrom
Gabrielle Marie Schluter
Patrick Cooper Walsh*

Global Studies
Karina Aguilar
Micaela S. Arneson*
Maria Karla Barrios*
Kimberly Ann Blasey*
Nicholas Blake Bowden
Anna Celia Carnes
Hee Jung Chang
Be'Jan Gervais Edmonds
Rebecca K. Gamble
Mark Grayson Gibson
Ting-Ann Annie Jang*
Carleigh Janke
Jennifer Jones
Soomin Jun*
Jordan Wesley Knott
Joie M. Massey
Heather Louise Mills*
Margaret Rose Monsrud
Zachary J. Padgett*
Radha Atul Patel
Hannah R. Reynolds
Gabrielle Marie Schluter
Jessica Faith Smith
Zayda Lissett Solis
Elizabeth R. Thomas*
Emily Rebecca Wood*

History
Shelby B. Armentrout*
Benjamin Japen Austin
Catherine Elizabeth Cranfill
Zachary Cooper Davis
Robert Samuel Euler
William Madden Hamilton
Mary Anne Handy
Victoria Hensley
Danielle Elizabeth Herman*
Christa Sue Carol Hobbet
Matthew Adam Horvath
Scott Tyler Karan
Andrew F. Levine
Matthew Wayne Miller
Francisco Antonio Mora
Alfredo Mortera
Alexandria G. Nystrom
Phillip V. Perfetto
Kristina Nicole Reece
Carl Eduardo Sitavi
Natalie Wynne Sprague
Brooks William Stoioff
Gina Louise Suarez
Asher Gage Thomas
Thomas Spencer Whaley Jr.

Interdisciplinary Studies
Karen Sieber*

Latin American Studies
Javier Alejandro Zurita

Linguistics
Kathleen Tyler Clark*
Hillary Odalis Funes
Melissa K. Johnson*
Angel Lai
Hayle Marie Lueth
Brittany Nicole McCombs

Management and Society
Katharine E. Daniel*
Raby George
Margaret Gilmore
Annasa Khadedra Harris
Jessica Brielle Lawson
Michael Richard Lenahan
Joshua Justin Leonard
Hannah Runyon-Hass

Mathematics
Alexander Clayton Bales*
Cortney Hall
Hannah Ruth Moore
John Paul Peterson III
Alexander Dudley Rabinowitz
Edward John Richman
Adam John Van Newenhizen
Xiaoxi Xiong*

Peace, War and Defense
Peter Christian Anderson
Elizabeth Anne Beck
Joshua Michael Brandon
Nathan Roberto Byrd
Elizabeth Jane Deane
Lacy Jo Evans
Rebecca K. Gamble
Victoria Hensley
Tyler Thomas Jacon*
Amirah Mohamed Jiwa
Colin Jacob Kantor*
Andrew F. Levine
Casey Marie Mangin
Justin C. McDowell
Zachary J. Padgett*
Erica Patella
Jonathan Joseph Sanabria
Stuart C. Thomas

Philosophy
Mathew Davis Hopkins
Clayton Andrew Nemitz
Marleina Stephanie Ubel*
James Rogers Wingard Jr.

Physics
Gregory Earl Keithly
Clayton Andrew Nemitz
Paul Benjamin Peters IV
Raphael Shine Provosty
Anthony A. Trezza
Patrick Cooper Walsh*

Political Science
Zachary Gray Aldridge*
Peter Christian Anderson
Shelby B. Armentrout*
Micaela S. Arneson*
Benjamin Japen Austin
Ashley Nicole Broder
Lauren Elizabeth Coates
Stephen John Cunningham III
Sarah Alice Darnell
Katherine Ann Eastman*
Be'Jan Gervais Edmonds
Catherine Kearney Ferguson
Taylor Marie Hamby
Robert Henry Harrison II
Mathew Davis Hopkins
Tyler Thomas Jacon*
Mackenzie Page Koppenhofer
Casey Marie Mangin
Elizabeth Louise Masters*
Adam Blake McCoy*
Justin C. McDowell
Brittany McKinney
Margaret Rose Monsrud
Francisco Antonio Mora
Aimee Rose Mulligan
Nicholas A. Niedzwiadek*
Erica Patella
Kristina Nicole Reece
Henry Peronneau Roberts
Derek Sekuler
Rachael Hallena Shulga
Tatjana Spasojevic
Kelly Nicole Stewart*
Andres Tomey
Emily St. George Vaughn
Kiana L. Williams
Zachary Lee Williams*
Justin M. Wolz*
Emily Rebecca Wood*
Carson Ray Wooten
Sydney Rose Zorowitz
Javier Alejandro Zurita

Psychology
Amy Therese Benson
Jason Scott Boyd
Timothy Michael Burg
Blakely Jordan Clark
Katharine E. Daniel*
Alexandria Tzadde Fidone
Hunter Austin Garlock
Kelsie Marie Gibson
Thomas Lee Harrison
Elise Healy
Lukas M. Heavner
Chantel Robyn Jennings
Tevin Stanley Jones*
Bettina Junghahn
Emily Kolk
Isabella Giulia Laviola
Joshua Justin Leonard
Sierra H. Lyda*
Sarah Major
Porsha Roshele McRae
Le'Asia Le'Zet Merritt
Joyphyllis Wabari Ngugi
Nina Notman
Nastassja Ortiz
Lamar Talvin Paylor
Elise Joy Perugini
Kelli Louise Quinn
Oneeka Shenell Slade
Logan P. Smith
Joshua Joseph Wiggins
Niesia Javhunie Williams

Public Policy
Charlotte Barber
Ivy Marie Hardy
Emmanuel Karl Hobbs Brown
Elisa Michaela Johnson*
Micah Lewis Jones
Dakota Powell
Elizabeth Rose Tish*
Victoria Leigh Vass

Religious Studies
Jessica Clare Fields
David Chase Hawisher*
Chantel Robyn Jennings
Michael Slattery*

Romance Languages
Kimberly Ann Blasey*
Parker Donald Draughon*
Ashley Melissa George
Carleigh Janke
Amanda Taylor MacCormac
Alfredo Mortera
Sean Thomas Ryall
Elizabeth R. Thomas*
Stuart C. Thomas

Sociology
Victor Andres Acosta
Tiffany Stafford Carver
Stevey Ann Cline
Johanna Collins Ferebee
Taylor Marie Hamby
Sarah Major
Jacqueline Yvette Mason
Elizabeth Louise Masters*
Jessica Lauren McGovern*
Gregory Taylor Seawell
Sara Ashley Stewart
Venneikia Samantha Williams

Studio Art
Pamela Cola
Kathryn Elaine Folk
Margaret Gilmore
Alison Paige Lane
Benjamin Morgan Leone
Kristen Irene Stevenson

Women's and Gender Studies
Alisha Sharayah Agemy
Elisa Michaela Johnson*
Caitlin M. Kucera*
Dakota Powell

Women's Studies
Matthew Adam Horvath

BACHELOR OF FINE ARTS
James Brower
John Taj Neville*

BACHELOR OF SCIENCE

Applied Science
Lydia Sofia Hatfield

Biology
Woongsun Au
Christian Brett Barnard
Susana Lea Bracewell*
Cierra Chanelle Carter
Karla Sherrone Dawson
Daniela Marie DeCristo*+
Rowena Akorfa Dzorvakpor
Sean Alan Flannigan*
Alexis Lee Flen
Amos L. Fung*
Apoorva Gupta*+
Matthew Andrew Huber
Maheen Ali Khan
Nicole V. Knowlson
Melinda Lian*
Blanca Arantxa Lopez De Juan Abad
Justin Douglas McCallen*
Olivia M. Osborne
Adaeze Daisy Oti
Karra Cierra Parsons
Daniel Perron*
Hanna Lynn Pless
Michael P. Porson

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Matthew J. Powers
Sujay K. Sahoo
Ian Robert Stewart
Ashley Inez Thrower
Ivana Vu
Kristen Elizabeth Weakley
Ying Fang Wu
Christopher Yarborough

Chemistry
James Bertrand O'Bryan*
Candice Amanda Marie Olsson
Sean Thomas Ryall
Bennett Francis Vass

Computer Science
Wesley Ramon Abbey
Spencer Gregory Byers
Michael K. Coleman*
Jeremy Y. He
Joshua Prophet Helton
Ryan Timothy McGarvey
Catherine Grace Purcell
Edward John Richman
Christian Michael Stump
Joshua Whiteside
Elizabeth Gray Williard
Kiran Yedavalli

Environmental Sciences
Corey Lynn Buhay
Anne Elizabeth Corrigan*
Sherilynn Meifung Phen
Joy-Lynn Dawn Rhoton
Laura Kathryn Rose
Brooke Peyton Stemple*

Geological Sciences
James McAllister Chase
James Conrad Howard
Alexandria Nicole Kintner
Shannon Michelle Moyer

Mathematical Decision Sciences
Thomas Marshall Kennedy*
Zihan Li
Runke Liao*+
William R. McDonald
Zhou Shang
Ying Fang Wu
Liziqiu Yang*+

Mathematics
Grishma Alakkat

Physics
Arthur Aaron Wood

Psychology
Mary Katherine Beam
Cynthia Grace Clarkson
Samantha Jane Dove
Brianna Nicole Frame*
Arham Akram Khan
Diane Yoojung Kim
Lucas Samuel Murray
Kelsey Ann Stroud
Nicholas Woronoff

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

Rita George Abou Jaoude
Alexander Clayton Bales*
Trevor Jeau Barker
Joseph Walter Biernacki
Eric William Blaser
Adam Beryl Block
William Robert Bryant*
Jonathan H. Campbell*
Pak Wang Chung
Nathan William Jefferson Clark*
Ian Noel Dibble*
Parker Donald Draughon*
Yachao Fan
Andrew David Guerrazzi*
Mason Wilfred Halim*
Maxwell F. Huelster
Seul Bee Lee
Michael Anthony Leoni
Ryan Andrew Mangum
Dustin Mercer
Paige Kathleen Nielsen
Jose Alejandro Ortiz
Paul Vito Piscitelli*
Theodore Vigo Prime
John H. Ramsey*
Jeffrey Lawson Schoettmer
Karina Andrea Sindunata*
Elizabeth A. Smetana*
Erica Minyoung Song
John Carlos Valencia
Mark Andrew Vavolizza*
Madelyn Patricia White*
Robert Earl Wiggins III

The School of Dentistry

ESTABLISHED 1949
Dean Jane A. Weintraub

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Larsen Jayan Agee

The School of Education

ESTABLISHED 1885
Dean G. Williamson McDiarmid

BACHELOR OF ARTS IN EDUCATION
Danielle N. Siverling

The School of Information and Library Science

ESTABLISHED 1931

Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

Hunter Austin Garlock
Emily Bryant Hazelton
Chelsea Mayse*
Christopher P. McGough
Zachary Lee Williams*

The School of Media and Journalism

ESTABLISHED 1924

Dean Susan Robinson King

BACHELOR OF ARTS IN MEDIA AND JOURNALISM

Valerie Serena Amoroso
Elizabeth Ann Applegate
Kathryn Lynne Child
Blakely J. Clark
Alexandria Alice Clayton
Lauren Elizabeth Coates
Sarah Alice Darnell
Kameron Chelsey Douglas
Katherine Ann Eastman*
Marquis Tirek Emmerson
Catherine Kearney Ferguson
Kayla Renee Goforth
Christopher Lawrence Grunert
Christopher Douglas Haney
Sarah Joelle Holstein
McKenzie Davis Layne
Sophia Lin
Sarah R. Love
Zachary Thomas Mayo
Keely M. McKenzie*
Judy Renee McKinney
Emiko Katherine Morimoto
Nicholas A. Niedzwiadek*
Margaret Callaghan O'Hare
Haylcy J. Paytes
Abby Carolina Reimer*
Joseph William Schwartz*
Rocio Macarena Sevilla Dieguez
Kayce Lee Stutzman
Matthew Shannon
Zhai Yun Tan*
Justin M. Wolz*

The School of Nursing

ESTABLISHED 1950

Interim Dean Donna S. Havens

BACHELOR OF SCIENCE IN NURSING

Cheryl Melfi DiStefano
Kathryn Harris Dodson*
Caprice April Sylvan

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH

Thanh-Thao Thi Le

* *Indicates probable candidates for degrees with distinction or highest distinction based on grade point average going into the final semester.*

\+ *Indicates Honors recipients.*

\+ + *Indicates Highest Honors recipients.*

CANDIDATES *for* CERTIFICATES

December 2015

Undergraduate Certificates

The School of Medicine
ESTABLISHED 1879
Dean William L. Roper

CERTIFICATE IN RADIOLOGY
Kristen Jillian Amsden
Kelly Ann Bryan
Christopher Adam Gegorek
Bryana Leigh Holmes
Kistner Yvonne Javorski
Patricia Ledesma
Kristan Marie San Juan
Julianna Verrault White

Postbaccalaureate Certificates

The School of Media and Journalism
ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
James Timothy Clark
Kathryn Elizabeth Dillard
Lanita Withers Goins
Chad Mark Haefele
Michael Robert Hobbs
Stephanie Graham Miller

The Gillings School of Global Public Health
ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Celia Jewell

CERTIFICATE IN FIELD EPIDEMIOLOGY
Paige Emily Meier

GRADUATE DEGREES

August 2015 | *Graduates' names are followed by their area of major study, dissertation or project title and the name of their doctoral advisor.*

The Graduate School

ESTABLISHED 1903

Dean Steven W. Matson

DOCTOR OF PHILOSOPHY

Jesse Abdenour, *Journalism and Mass Communication,* The Face of Investigative News: A Mixed-Method Analysis of Local Television Investigative Journalism Content, Perceptions and Influences. Professor Daniel Riffe.

Donovan Augustus Anderson, *City and Regional Planning,* The New El Dorado: Black Locational Attainment in the Post-Civil Rights Era. Professor Mai Nguyen.

Katie Michael Belardi, *Speech and Hearing Sciences.* The Nature and Nurture of Canonical Babbling in Infants With Neurodevelopmental Disorders. Professor Linda Watson.

Volha Belskaya, *Economics,* Essays on the Expansion of Higher Education. Professor Klara Sabirianova Peter.

Sheena Roxanne Berry, *Education (School Psychology),* An Analysis of Preschool Classroom Supports on Child Language Development. Professor Barbara Wasik.

Darrell Joseph Bethea, *Computer Science,* WACCO and LOKO: Strong Consistency at Global Scale. Professor Michael Reiter.

Justin Black, *Biochemistry and Biophysics,* Explorations of the Role of CIB1 in Cell Survival and Tumor Growth. Professor Leslie Parise.

Kenion Blakeman, *Chemistry,* Development of High Pressure Mass Spectrometry for Handheld Instruments. Professor John Ramsey.

Lindsay Bloch, *Anthropology,* Made in America? Ceramics, Credit and Exchange on Chesapeake Plantations. Professor Anna Agbe-Davies.

Namdi Brandon, *Mathematics,* Novel Integration in Time Methods Via Deferred Correction Formulations and Space-Time Parallelization. Professor Jingfang Huang.

Lindsey Brandt, *Carolina-Duke Joint Program in German Studies,* Tangled Up in Truths: German Literary Conceptions of Nature Between Romantic Science and Objective Empiricism. Professor Eric Downing.

Samira Brooks, *Toxicology,* The Regulation of Gene Expression Profiles in Clear Cell Renal Cell Carcinoma by Tumor Heterogeneity and Environmental Exposure. Professor Wendy Rathmell.

Shawn D. Brown, *Computer Science,* Case Studies on Optimizing Algorithms for GPU Architectures. Professor Jack Snoeyink.

Jazmin Brown-Iannuzzi, *Psychology,* Social Class Disparities in Pain: Understanding the Role of Subjective Socioeconomic Status and Hyper-Vigilance to Threats. Professor B. Keith Payne.

Robert Bruce, *Chemistry,* Charge Transport in Organic and Organometallic Molecules: Device Design, Fabrication and Testing. Professor Wei You.

Martin Lewis Buchkovich, *Bioinformatics and Computational Biology,* Identifying Genetic Mechanisms of Cardiometabolic Traits and Diseases Using Quantitative Sequence Data. Professors Karen Mohlke and Terrence Furey.

Emily Dawn Bunner, *English,* In Network: Gaming Theory as a Strategy for Building Digital Health Literacy. Professor Todd Taylor.

Joseph Cabosky, *Journalism and Mass Communication,* Queering Agenda Building: LGBT Advocacy Organizations and Strategic Information Flow Through Multiple Media Platforms. Professor Rhonda Gibson.

Jessie Montana Cain, *Education,* Clarifying Multicultural: The Development and Initial Validation of the Multicultural Teacher Capacity Scale. Professor Gregory Cizek.

Xiomara Campilongo, *Romance Languages and Literatures,* "El Pájaro: Pincel y Tinta China" y "La Sombra del Caminante": Dos Novelas Antidetectivescas de Ena Lucía Portela. Professor Rosa Perelmuter.

Kathryn Ann Jacob Caprino, *Education,* Investigating an Online Study Group as a Path to Critical Digital Writing for Four Middle Grades English Teachers: A Qualitative Study. Professor Cheryl Bolick.

Christina Bowen Carroll, *History,* Defining the French Empire: Memory, Politics and National Identity, 1860–1900. Professor Lloyd Kramer.

Bipasa Chattopadhyay, *Computer Science,* Integrating Pragmatic Constraints and Behaviors into Real-Time Scheduling Theory. Professor Sanjoy Baruah.

Annie Tze-Tze Chen, *Information and Library Science,* Meaning, Information and Online Participation Along the Illness Journey: The Story for Fibromyalgia Patients. Professor Barbara Wildemuth.

Justin Contat, *Economics,* Political Lobbying With Private Information. Professor Sergio Parreiras.

Kaitlin Light Costello, *Information and Library Science,* Social Information Behaviors in the Context of Chronic Kidney Disease: Information Seeking and Disclosure in Online Support Groups. Professor Barbara Wildemuth.

Daniel James Crona, *Pharmaceutical Sciences,* Identification and Validation of Germline Genetic Variants That Associate With Sorafenib Clinical Outcomes and Cytotoxicity. Professors Timothy Wiltshire and Federico Innocenti.

Keren E. Dalyot, *Education,* Gender Equality in Education: Examining the Dialogue Between International and National Policies in Ghana. Professor Catherine Marshall.

Heather D'Angelo, *Health Behavior,* An Examination of Community and Consumer Tobacco and Food Retail Environments. Professor Kurt Ribisl.

Jade E. Davis, *Communication Studies,* Historical Glitch: Understanding Digital Media Through the Photographic Lens. Professor Ken Hillis.

Luke F. Dodd, *Marine Sciences,* Predator-Prey Relationships Between Crassostrea Virginia and Several Species of Crab Affect Oyster Reef Function. Professors Michael Piehler and Jonathan Grabowski.

Heather Edelblute, *Sociology,* Social Networks, Gender and Health for Mexican Women. Professor Ted Mouw.

Glenn Alexander Elliott, *Computer Science,* Real-Time Scheduling for Gpus With Applications in Advanced Automotive Systems. Professor James Anderson.

Elizabeth Nicole Ellis, *History,* The Many Ties of the Petites Nations: Relationships, Power and Diplomacy in the Lower Mississippi Valley, 1685–1785. Professor Kathleen Duval.

Kim Engie, *Geography,* Adaptation and Shifting Livelihoods in the Small-Scale Fisheries of the Galápagos Marine Reserve, Ecuador. Professor Stephen Walsh.

Jeffrey Alan Erbig Jr., *History,* Imperial Lines, Indigenous Lands: Transforming Territorialities of the Río De La Plata, 1680–1805. Professor Kathryn Burns.

John Elias Esposito, *Classics,* Hetaireia in Homer. Professor Fred Naiden.

Laura Fabricant, *Psychology,* The Utility of Obsessive Compulsive Analogue Research: A Comparison of OCD Patient, Analogue and Nonclinical Samples. Professor Jonathan Abramowitz.

Mary Elizabeth Fitts, *Anthropology,* Defending and Provisioning the Catawba Nation: An Archaeology of the Mid-18th-Century Communities at Nation Ford. Professor C. Scarry.

Paul Joseph Fleming, *Health Behavior,* The Role of Masculine Gender Norms in HIV Vulnerability Among Dominican Men Enrolled in a Circumcision Feasibility Trial. Professor Clare Barrington.

Robert Galantucci, *Political Science,* Taking the Lead on Trade: Legislative Participation, Effectiveness and Strategy in Foreign Trade Policy. Professor Layna Mosley.

Ashly Louise Gaskin, *Psychology,* The Relationship Between Skin Tone and Psychological Adjustment: Exploring the Role of Racial Socialization. Professor Enrique Neblett.

Julia Elisabeth Geddings, *Pathology,* The Role of Tumor Microvesicles in Cancer-Associated Thrombosis. Professor Nigel Mackman.

Shaun Gidcumb, *Materials Science,* Characterization of Methane Storage in Gas Shales Using NMR. Professor Yue Wu.

Graham Kurt Giovanetti, *Physics,* P-Type Point Contact Germanium Detectors and Their Application in Rare-Event Searches. Professor John Wilkerson.

Diana Marcela Gomez Correal, *Anthropology,* Of Love, Blood and the Belly: Politicization of Intimate Ties of Caring and Belonging in Colombia. Professor Arturo Escobar.

Oleg Gredil, *Business Administration,* Market-Timing and Agency Costs: Evidence From Private Equity. Professor Gregory W. Brown.

Matthew Michael Green, *Education,* Authoring American: An Exploration and Interpretation of Identity Practices in an Elementary Classroom. Professor Lynda Stone.

Kyle Grode, *Biology,* Identification of the Molecular Determinants for Regulation of Microtubule Severing by Katanin. Professor Stephen Rogers.

Sarah Hatcher, *Environmental Sciences and Engineering,* Environmental Presence of and Potential Occupational Exposure to Antibiotic-Resistant Staphylococcus Aureus in Regions of High Industrial Hog Operation Density. Professor Jill Stewart.

Elizabeth M. Haynes, *Cell and Developmental Biology,* Gmfβ Controls Branched Actin Content and Lamellipodial Retraction in Fibroblasts. Professor James Bear.

Caleb Crandall Hicks, *Linguistics,* Condition Bias in Split-Alignment Systems: A Typological Study of North American Languages. Professor David Mora-Marín.

Daniel R. Hoer, *Marine Sciences,* The Role of Marine Sponges in Carbon and Nitrogen Cycles of Coral Reef and Nearshore Environments. Professor Christopher Martens.

Philip Clark Hollingsworth, *Romance Languages and Literatures,* The Image of Opium and Morphine in Hispanic Modernista Literature, 1876–1949. Professor Juan Carlos González Espitia.

Alexander Hoover, *Mathematics,* From Pacemaker to Vortex Ring: Modeling Jellyfish Propulsion and Turning. Professors Laura Miller and Boyce Griffith.

Ryan Matthew Horne, *History,* Imperial Power and Local Autonomy in Greek Garrison Communities: The Phrourarchia and the Polis. Professor Richard Talbert.

Jaimie C. Hunter, *Health Behavior,* Depression, Diabetes and Social Support. Professor Edwin Fisher.

Leigh Anna Hutchison, *Education,* Self-Regulated Learning in Context; Interplay of Cognition, Motivation and Affect in the Composing Process. Professor Jeffrey Greene.

Yuan Jin, *Mathematics,* Rheology and Flow of Mucus in Human Bronchial Epithelial Cell Cultures. Professor Gregory Forest.

Carolyn West Jones, *Nursing,* Parental Stress and Coping During the Hospitalization of a Child. Professor Mary Lynn.

Sara Jones, *Epidemiology,* Association of Mid-Life Alcohol Consumption With Stroke and Cognitive Decline in the Atherosclerosis Risk in Communities Study. Professor Wayne Rosamond.

Meher Rohit Juttukonda, *Biomedical Engineering,* MRI-Based Correction for PET Photon Attenuation in Simultaneous PET/MRI Using Ultrashort Echo Time Methods. Professors Hongyu An and David Lalush.

Ankunda Kariisa, *Microbiology and Immunology,* Nucleotide Second Messengers Signal Through Transcriptional and Posttranscriptional Regulators to Control the Production of a Colonization Factor in Vibrio Cholerae. Professor Rita Tamayo.

Jason B. Kauffman, *History,* The Unknown Lands: Nature, Knowledge and Society in the Pantanal of Brazil and Bolivia. Professor Cynthia Radding.

Jessica Keroack, *Education (School Psychology),* Exploring the Relationship Between Coaching Behavior and Developmental Outcomes Among Adolescent Female Athletes in Competitive Sport. Professor Steve Knotek.

Patrick Kosuke Kimes, *Statistics and Operations Research,* New Statistical Learning Approaches With Applications to RNA-Seq Data. Professors Yufeng Liu and James Marron.

Klara Klein, *Cell and Molecular Physiology,* Adrenomedullin, Chemokine Receptors and Receptor Activity Modifying Proteins in Lymphangiogenesis. Professor Klara Caron.

Megan L. Kovac, *Education (School Psychology),* Affect-Modulated Postauricular Reflexes of Children With Autism Spectrum Disorder. Professors Rune Simeonsson and Gabriel Dichter.

Abhash Kumar, *Geological Sciences,* Intermediate-Depth Earthquakes, Slab Stress State and Upper Mantle Structure Beneath the North Central Andes. Professor Drew Coleman.

Jessica Kurth, *Biology,* The Effects of Body Size on Soft-Bodied Burrowers. Professor William Kier.

Brendan C. Lainhart, *Chemistry,* Development of Transition-Metal Catalyzed Carbon-Carbon Bond Forming Reactions. Professor Erik Alexanian.

Travis Lajoie, *Chemistry,* Conjugated Polymer Brushes as Molecular Wires in Electronic Devices: Synthesis, Device Design and Characterization. Professor Wei You.

Diana Fong-Hor Lam, *Biostatistics,* Innovative Methods for Some Statistical Issues in Clinical Trials. Professor Gary Koch.

Michael Lamm, *Statistics and Operations Research,* Confidence Intervals for Stochastic Variational Inequalities. Professor Shu Lu.

Kathryn Lancaster, *Epidemiology,* Substance Use and Engagement across the HIV Care Continuum Among Female Sex Workers, A Key Population in Malawi. Professor William Miller.

John Peter Lappie, *Political Science,* Voter Behavior in Elections Without Party Labels. Professor Thomas Carsey.

Gen Li, *Statistics and Operations Research,* Integrated Analysis of Multiple Data Sets With Biomedical Applications. Professors Andrew Nobel and Haipeng Shen.

Jin Li, *Bioinformatics and Computational Biology,* Genetic Association Studies: Application in the Investigation of Biomarkers Related to Cardiovascular Diseases and Study Design. Professor Ethan Lange.

Wentao Li, *Chemistry,* Fundamental Understanding of a High Performance Polymer for Organic Photovoltaics and New Material Development by Rational Molecular Engineering. Professor Wei You.

Lin Lin, *Environmental Sciences and Engineering,* Characterization of the Water Transport Properties of the Active Layers of Polyamide Reverse Osmosis and Nanofiltration Membranes. Professor Orlando Coronell.

Steven J. Lippmann, *Epidemiology,* Impacts of High Temperatures on Cause-Specific Emergency Department Visits in North Carolina. Professor David Richardson.

Ashley Littleton, *Exercise and Sport Science,* The Effects of Physical and Cognitive Activity Levels Post-Concussion on Recovery. Professor Kevin Guskiewicz.

Zhixiang Luo, *Physics,* In-Situ NMR Study of Molecular and Ionic Processes Inside Carbon Nanopores. Professor Yue Wu.

Joshua Aaron Lynn, *History,* Preserving the White Man's Republic: The Democratic Party and the Transformation of American Conservatism, 1847–1860. Professor Harry Watson.

Chantel Martin, *Epidemiology,* Association Between Maternal Dietary Patterns During Pregnancy and Early Childhood Growth Outcomes. Professor Anna Maria Siega-Riz.

Liz Mason-Deese, *Geography,* The Unemployed in Movement: Struggles for a Common Territory in the Buenos Aires Urban Periphery. Professor Altha Cravey.

Calum Lister Matheson, *Communication Studies,* Desired Ground Zeroes: Nuclear Imagination and the Death Drive. Professors Christian Lundberg and Sarah Sharma.

Allison Christine Mathews, *Sociology,* Negotiating Multiple Stigmatized Identities: Examining the Strategies Black Gay Men Use to Reduce Identity Conflict. Professor Karolyn Tyson.

John William Ryckman Mellnik, *Bioinformatics and Computational Biology,* Microrheology and Heterogeneity in Biological Fluids: Approaches, Models and Applications. Professor Tim Elston.

Elizabeth Menninga, *Political Science,* Multiparty Mediation: Identifying Characteristics of the Mediation Dream Team. Professor Stephen Gent.

Katherine Elizabeth Michaux, *Chemistry,* Characterization of Water Oxidation Catalysts for Implementation in a Dye-Sensitized Photoelectrosynthesis Cell. Professors Royce Murray and James Jorgenson.

Marisa Morrison, *Health Policy and Management,* Medicaid Expansion Programs: Effects on Medicaid Enrollment and Healthcare Employment. Professor Jonathan Oberlander.

Peter Morse, *Chemistry,* The Development of an Enantioselective Cation Radical Diels-Alder Reaction and Other Complexity Generating Transformations. Professor David Nicewicz.

Mayukh Mukherjee, *Mathematics,* Variational Approaches to Nonlinear Schrodinger and Klein-Gordon Equations. Professor Michael Taylor.

Maya Nadimpalli, *Environmental Sciences and Engineering,* Exposure to Zoonotic Staphylococcus Aureus Among Industrial Hog Operation Workers and Their Household Contacts in North Carolina and Dissemination into the Household Environment. Professors Jill Stewart and Christopher Heaney.

Ai Ni, *Biostatistics,* Variable Selection for Case-Cohort Studies With Failure Time Outcome. Professor Jianwen Cai.

Lisa Nigro, *Marine Sciences,* Microbial Diversity and Evolution in Gulf of Mexico Hypersaline Environments. Professor Andreas Teske.

Akinyemi Oni-Orisan, *Pharmaceutical Sciences,* Translational Approaches to Understanding the Role of Cytochrome P450-Derived Epoxyeicosatrienoic Acids in Coronary Artery Disease. Professor Craig Lee.

Fang-Shu Ou, *Biostatistics,* Quantile Regression Models for Interval-Censored Failure Time Data. Professors Jianwen Cai and Donglin Zeng.

Zhengqi Pan, *Political Science,* Global Value Chains and Production Networks: State-Business Relations and Complexity in Economic Crises. Professor Thomas Oatley.

Brendan Peacor, *Chemistry,* Application of Small Molecule Receptors to the Analysis of Post-Translational Modifications Using Fluorescent Indicator Displacement Assays. Professor Marcey Waters.

Michael Thomas Perfetti, *Pharmaceutical Sciences,* Discovery of Small Molecule and Peptide-Based Ligands for the Methyl-Lysine Binding Proteins 53BP1 and PHF1/PHF19. Professor Stephen Frye.

Ellen Foot Perkowski, *Microbiology and Immunology,* Development of a Novel Method for Genome-Wide Identification of Proteins Exported During Infection and Functional Studies of One in Vivo Exported Protein in Mycobacterium Tuberculosis. Professor Miriam Braunstein.

Adam David Pfefferle, *Pathology,* Genetically Engineered Mouse Models of Breast Carcinoma: A Translational Resource for Highlighting Human Breast Subtype Etiology and Developing Personalized Therapeutic Approaches. Professor Charles Perou.

Brian Loren Pohl, *Physics,* Exploring the Milky Way Outer Halo Globular Clusters AM 1 and Pyxis. Professors Bruce Carney and Daniel Reichart.

Alex Hoyt Poole, *Information and Library Science,* Forging Our Cultural Commonwealth: The Importance of Digital Curation in the Digital Humanities. Professor Helen Tibbo.

Christian Manuel Posso, *Economics,* Understanding Mechanisms Underlying the Long-Term Effects of Scholarships for Secondary School: Evidence From a Large Field Experiment in Colombia. Professor David Guilkey.

Yuanyuan Qin, *Nutrition,* Dietary Exposures Contribute to Different Diseases Through the Microenvironment. Professor Liza Makowski.

Kenneth Dean Reddix II, *Economics,* Powering Demand: Solar Photovoltaic Subsidies in California. Professor Brian McManus.

Sada Reed, *Journalism and Mass Communication,* Conflicting Loyalties: An Examination of the Role Community Membership and Sports Fandom Have on Sports Journalists' Interactions With Whistleblowers. Professor Daniel Riffe.

Katelyn Reighard, *Chemistry,* Antibacterial and Biophysical Characterization of Nitric Oxide-Releasing Chitosan Oligosaccharides – Towards a New Cystic Fibrosis Therapeutic. Professor Mark Schoenfisch.

Jackie Eunjung Relyea, *Education,* The Relationship Between Early Word Reading and Reading Comprehension for Language-Minority Learners and Native-English-Speaking Students: A Seven-Year Longitudinal Study. Professor Jill Fitzgerald.

John David Ribo, *Comparative Literature,* Decolonizing the Caribbean Borderlands: The Haitian Revolution in Contemporary Latina/o Cultural Production. Professor María DeGuzmán.

Andrew W. Roberts, *Pharmaceutical Sciences,* Optimizing the Public Health Benefit of a Medicaid Controlled Substance Lock-In Program. Professors Joel Farley and Asheley Skinner.

Thatsanee Saladyanant, *Dentistry (Oral Biology),* HPV and Oral Innate Immunity: A Role for E5. Professor Jennifer Webster-Cyriaque.

Edward Santilli, *Physics,* The Stratified Ocean Model With Adaptive Refinement (SOMAR). Professor Alberto Scotti.

Erich V. Scheller, *Microbiology and Immunology,* Contribution of Fimbria and Filamentous Hemagglutinin in Bordetella Adherence and Immune Suppression. Professor Peggy Cotter.

Emily Margaret Schmidt, *Biology,* An Analysis of Individual Variation in Behavior. Professor Karin Pfennig.

Lawrence Scholl, *Health Behavior,* Parenting for the Learner Stage of Graduated Driver Licensing. Professor Susan Ennett.

Eric Scott, *Microbiology and Immunology,* Immune Cells and Type I Interferon in Systemic Lupus Erythematosus Patient Urine and Kidney Immunopathology. Professor Stephen Clarke.

Michael Sguerri, *Romance Languages and Literatures,* The Pen Is Mightier Than the Bomb: Representations of Right-Wing Terrorism in Fictional Works. Professor Federico Luisetti.

Wen Jenny Shi, *Statistics and Operations Research,* Bayesian Viral Substitution Analysis and Covariance Estimation Via Generalized Fiducial Inference. Professors Jan Hannig and Corbin Jones.

Grace Silva, *Bioinformatics and Computational Biology,* Comprehensive Characterization of DNA Copy Number Alterations in Mouse and Human Breast Tumors. Professor Charles Perou.

Austin E. Smith, *Chemistry,* Protein Structure, Stability and Dynamics in Cells and Cell-Like Environments. Professor Gary Pielak.

Weston James Smith, *Chemistry,* The Role of Cobalamin in Biological Photochemistry. Professors David Lawrence and Marcey Waters.

Meghan Rachel Sobel, *Journalism and Mass Communication,* Moving Beyond the Sensationalized: A Mixed Methods Approach to Understanding Sex Trafficking News Coverage in Thailand. Professor Anne Johnston.

Robert Lanning Sons, *Cell and Developmental Biology,* Regulatory Modifications of MicroRNA and Short Hairpin RNA Precursors. Professor Scott Hammond.

Danielle Laura Spurlock, *City and Regional Planning,* Intention and Action: Plan and Policy Implementation for Water Resource Protection. Professor Philip Berke.

David Vincent Stark, *Physics,* Drivers of Galaxy Fueling. Professor Sheila Kannappan.

Shaun P. Steele, *Microbiology and Immunology,* The Role of Nutritional Virulence in Francisella Tularensis Pathogenesis. Professor Tom Kawula.

Jennifer Green Stevenson, *Psychology,* Factors Underlying Natural Reward Devaluation by Cocaine: Effects of Dose and Exercise. Professors Regina Carelli and Linda Dykstra.

Thomas Gordon Stewart, *Biostatistics,* Statistical Learning With Missing Data. Professors Michael Wu and Donglin Zeng.

Angela Stover, *Health Behavior,* One Size Does Not Fit All: Predicting Subgroups of Breast Cancer Survivors Who Report Different Physical Activity and Sedentary Behavior From Pre-Diagnosis to Ten Years Post-Diagnosis. Professors Christine Rini and Bryce Reeve.

Yang Sun, *Physics,* Relations between 6D N = (2; 0) Super Conformal Field Theory and 5D, 4D Gauge Theories. Professor Louise Dolan.

Kathryn Trogden, *Biology,* TOG Proteins Are Spatially Regulated by Rac-GSK3β to Control Interphase Microtubule Dynamics. Professor Stephen Rogers.

Sara A. Turner, *Chemistry,* Dynamic Step-Growth Polymer Materials. Professors Valerie Ashby and Sergei Sheiko.

Chung-Nan Tzou, *Mathematics,* Formation of Underwater Plumes and Velocity Variations Due to Entrainment in Stratified Environments. Professors Roberto Camassa and Richard McLaughlin.

Ashton M. Verdery, *Sociology,* Three Essays on Interdisciplinarity and Knowledge Production. Professor Barbara Entwisle.

Derek Vermeulen, *Physics,* Raman Scattering of Organic Charge Transfer Compounds. Professor Laurie Mcneil.

Steven Dodd Wall, *Education,* Science Teacher Development and the Lens of Social Media: An Investigation into the Identity and Influences Upon the Development of Elementary Pre-Service Science Teachers. Professor Janice Anderson.

Dong Wang, *Statistics and Operations Research,* Some Statistical Approaches to the Analysis of Matrix-Valued Data. Professor Young Truong and Haipeng Shen.

Ling Wang, *Statistics and Operations Research,* Statistical Essays Motivated by Genome-Wide Association Study. Professors Haipeng Shen and Guang Guo.

Craig Warmke, *Philosophy,* Numbers and Necessity. Professor Robert Adams and Thomas Hofweber.

Stephanie Leah Wear, *Marine Sciences,* Coastal Pollution, Cross-Sector Collaboration and a New Way Forward for Coral Reef Conservation. Professor Charles Peterson.

Laura Michelle Weise Cross, *Pathology,* Regulation of Smooth Muscle Cell Phenotype by the Rhoa Effectors Mdia1 and Mdia2. Professor Christopher Mack.

James David Wilson, *Statistics and Operations Research,* Statistical Analysis of Relational Data: Mining and Modelling Complex Networks. Professors Andrew Nobel and Shankar Bhamidi.

Gregory Joseph Wolf, *Political Science,* Parties in the American Electorate. Professor James Stimson.

Yuying Xie, *Statistics and Operations Research,* Estimation of Graphical Models With Biological Applications. Professors Yufeng Liu and Willam Valdar.

Liang Yin, *Statistics and Operations Research,* Confidence Region and Intervals for Sparse Penalized Regression Using Variational Inequality Techniques. Professors Shu Lu and Yufeng Liu.

Ayoung Yoon, *Information and Library Science,* Data Reuse and Users' Trust Judgments: Toward Trusted Data Curation. Professor Helen Tibbo.

Ning Yu, *Dentistry (Oral Biology),* Gingival Fibroblast and Epithelial Functions in Periodontal Disease-Modulation by Insulin Resistance. Professor Steven Offenbacher.

DOCTOR OF NURSING PRACTICE

Daria Lewis, *Nursing,* The Impact of an Influenza Vaccine Clinic on Vaccination Rates and Cold and Flu Symptoms in a Clinic for the Homeless. Professor Debra Barksdale.

DOCTOR OF PUBLIC HEALTH

Bradley Gordon Hammill, *Biostatistics,* The Use of Propensity Score Methods to Address Confounding by Provider. Professor Amy Herring.

Sue Lynn Ledford, *Health Policy and Management,* Improving the Transition Process From Pediatric to Adult HIV Care in North Carolina: A Patient- and Family-Centered Perspective System Dynamics Model. Professor Andrea K. Biddle.

Deus Bazira Mubangizi, *Health Policy and Management,* Use of Learning Collaborative in the Implementation of Patient-Centered Medical Home Model in the State of Maryland: What Are the Facilitators and Barriers? Professor George Holmes.

Eduardo Benjamin Puertas, *Health Policy and Management,* Factors That Influence a Career Choice in Primary Care: A Mixed-Methods Study among Medical Students Starting the Social Service Program in Honduras. Professors Suzanne Babich and Thomas Ricketts.

Eduardo Eric Valverde, *Health Policy and Management,* The Association of Internalized HIV Stigma With Retention in HIV Care. Professor Bryce Reeve.

Alison Wise, *Biostatistics,* Making Robust Use of Parental Genotype Data for Finding Effects of Variants on the X Chromosome. Professors Clarice Weinberg and Amy Herring.

The School of Education

ESTABLISHED 1885

Dean G. Williamson McDiarmid

DOCTOR OF EDUCATION

Elizabeth Phelps Davidson, *Educational Leadership,* Impacts of Reduction-in-Force (RIF) on the Assistant Principalship in North Carolina Public Schools: A Repeated Measures Two-Way Anova Analysis. Professor Catherine Marshall.

Heather Lynn Seawell, *Educational Leadership,* Job Descriptions and the Recruitment of Female Assistant Principals. Professor Catherine Marshall.

POSTBACCALAUREATE PROFESSIONAL DEGREES, GRADUATE DEGREES *and* PROFESSIONAL GRADUATE DEGREES

August 2015

The School of Law
ESTABLISHED 1949
Dean Martin H. Brinkley

JURIS DOCTOR
Mark Fredrick Charles Johnson
James Casey Steen

The Eshelman School of Pharmacy
ESTABLISHED 1897
Dean Robert A. Blouin

DOCTOR OF PHARMACY
Joshua Dane Harmes
Angela Kashyap
Xiao J. Ni
Benjamin D. Perkins

The Graduate School
ESTABLISHED 1903
Dean Steven W. Matson

MASTER OF ARTS

Education
Yun Bai
Nan Chen
Yiting Chen
Cheng Cheng
Eliza Leland
Yuqian Li
Yue Liu
Robert Louis McFarland
Jing Pang
Liana Pinner
Kejun Qian
Lin Tang
Nermin Vehabovic
Dongni Xie
Zhiou Ye
Yuehan Yin
Weili Zhang

Exercise and Sport Science
Brett Jordan Botta
Justin Aaron Fegley
Stephen James Iannotta
Grace Elizabeth Jungclas
Alicia Kathryn Yamamoto

Folklore
Phillip Thomas MacDonald
Caroline Hundley Miller
Danielle Riley

Geography
James Kuras
Benjamin Ross Rubin
Hillary Suzanne Smith

History
Robert K. Colby
James Edwin Covington III
Yue Liang

Linguistics
Rachel Estelle Broad
Melinda Joy Johnson
Yina Ma
Brandon L. Prickett
Kayleigh Estella Reyes

Musicology
Stacey Ann Garrepy
Megan Ross

Political Science
Lucia Ellen Bird
Anthony Jacob Chergosky
Chelsea Leigh Estancona
Jelle Koedam
Serguei Korepin
David Kar Wor Ma
John-Paul Petrash
Amy Irene Sentementes
Kelsey McLean Shoub
Steven Wesley Sparks
Ryan James Williams

Psychology
Emily Caitlin Gagen
Stacy Li-Farn Lin

Public Policy
Jongmin Choi

Romance Languages and Literatures
Christine Marie Martinez
James Michael Templeton

Russian and East European Studies
Anna Kirey
Aybolek Ovezova

Sociology
Atiya Fatima Husain

MASTER OF SCIENCE

Biochemistry and Biophysics
Suzanne Ellen Lynch

Biomedical Engineering
Matthew Andrus

Biostatistics
Ananta Shrikant Bangdiwala
Susan Edwards
Andrew James Garrison
Tracy Grace Spears

Chemistry
John Charles Farrokh
Brandon Corey Landers
Brian David Matthew
Jennifer Michele Middlebrooks
Ana Maria Neferu

Clinical Rehabilitation and Mental Health Counseling
Arras Darius Khaledi

Computer Science
Md Tahsin Kabir
Christian Fabian Orellana Cuevas
Yi Ren
Tianrong Zhang
Enliang Zheng

Dental Hygiene Education
Demah Algheithy
Melani Brooke Decker
Jennifer B. Harmon

Economics
John Stuart Rabon

Environmental Sciences and Engineering
Elizabeth Colleen Christenson
Julian Thomas Oliver
Sarah Elyse Royster
Jamie Lynn Smedsmo
Caroline Elizabeth Tapscott

Geological Sciences
Janelle Elizabeth Bauer
Theodore Lawrence Jass
Laura J. Rogers

Management
Fan Jiang

Mathematics
Travis McElroy
Alexis Marie Sparko

Occupational Therapy
Christine Elizabeth Bagnall
Stephanie Danielle Conner
Erin Patricia Corkery
Monica Frances Dominguez
Lucy Michelle Entwistle
Isabelle Rosemary Hale
Laura Jeanne Hilliard
Sarah E Hodges

Caroline Elizabeth Irick
David Clayton Johnson
Anna Koritz
Laura Elizabeth McNamara
Jessie Arleine Poteat
James Gregory Proctor
Haley Elise Tucker Watkins
Dokota Boston Wynn

Speech and Hearing Sciences
Rebecca Helen Fox
Soabah Wasim

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

MASTER OF BUSINESS ADMINISTRATION
Jason A. Abbot
Tamer Abdelsalam
Abril Africa Aguiar-Aguilar
Evan Almeroth
Mauricio Jose Alvarez
David H. Ayento
Partha Banerjee
Aldo Britt Barbaran
Elliott Barnes
Afsaneh Sheibani Benson
Samuel J. Beran
Ryan M. Berry
Praveen Bhardwaj
John Preston Broadhead
Kelley S. Brown
Jawaharlal Buddhavarapu
Melanie Cariletta Bullock
Tina Tran Cao
Lu Cui
Kendall K. Cyree
Daniel Marc Decoen
Justin P. Denery
Javier D. Diaz
Danielle L. Dillard
Enkhbayar Dorjderem
Gregory Francis Duffy
Matthew C. Dykes
Jason E. Erny
Chad Evans
Manuel Fernandez-Guzman
Jacob B. Feutz
Lana Fountain Flakes
Loredana Galbraith
Robin Kumar Gaur
Curtis Hart
Christopher M. Heidger
Mark D. Herman
David F. Hills
James G. Horton
Jingwen Huang
Andrew J. Ingram
Marques D. Jackson
Xiaojing Ji
Brittany E. Johnson
Ryan C. Karaian
Thomas Edward Kennedy Jr.
Jeffrey J. Kerr
Geoffrey Morgan Kintzer
Robert R. Klar
Charles P. Kluball
Dawn S. Knasas
Gopala S. Konduru
Lindsay Konte
John M. Leeds
David W. Lewis
Chengyong Li
Fuchao Li
Tianshan Li
Xiaoqin Li
Kristin Elizabeth Lindsay
Thomas Sneed Little II
Liying Liu
Prakhar Lodha
Steven Lukose
Kyle Dalton Lynch
Christopher Mallin
Haisong Mao
Jeffrey S. Mapp
Phillip Scott McNeely
Nicholas Ryan Medlin
Shafer Minnick
John David Mochel
David J. Montgomery
Alexander P. Moore
Colin M. Moran
Ron A. Morgenstern
Khanjan H. Nagarsheth
Danielle N. Nastro
Madhu K. Nekkalapudi
Christopher B. Otness
Mukilan Pari
Benjamin R. Peterson
Yi Qin
Rajiva Raghuvanshi
Anuradha Raja
Esteban S. Ramirez
Arvind Rao
Heather Real
Prasanna Sadashivaiah
Ilario Scian
Jorgefelix Siverio
Jonathan Stevens
Gary W. Strickland
Jessica M. Stroud
Hao Su
Pingfeng Su
Qinghai Su
Feng Sun
Jonathan Randolph Swift
Kevin Lee Teague
Karalyn Radius Tellio
Robert William Tetzlaff Jr.
Constance A. Thomas
Vinay Vittal
Hui Wang
Jing Wang
Jinzhi Wang
Yuanyuan Wang
Zhigang Wang
Steven C. Wescott
Jason White
Katharine M. Williams
Tjung Yeung Wong
Xianhua Xiao
Xiaobo Xie
Daorong Xue
Jianhua Yan
Jinjin Yang
Hai Yi
Jacob H. Yost
Yong Yu
Jillian M. Zeber
Hui Zhang
Qingsen Zhang
Tonglin Zhang
Wenhan Zhang
Zujian Zhang
Jonathan W. Zimmer

The School of Education

ESTABLISHED 1885
Dean G. Williamson McDiarmid

MASTER OF ARTS IN TEACHING
Rachel St. Clair Iglesia
Rachel Annaliese Johnston
Madeleine Ann Krol
Pierre E. Lourens
Angus John McKellar
Hannah E. McMillan
Sean Joseph Monahan
Stephani Nummelin
Anneke J. Oppewal
Benjamin Arthur Price
Holly Nicole Roper
Jessica Renee Scaggs
Benjamin S. Snell
Bryan Anthony Warwick
William Terrell Wright

MASTER OF EDUCATION
Michaela Nicole Avila
Ashley Nicole Bennetone
Amanda Dionna Brown
Sarah Isabelle Davis
Natalie Simone Diggs
Mayra Isabel Garcia
Erin M. Hanley
Jennifer Reed Harrell
Paul Madigan Harvey
Breanna Lea Herring
Lydia Anne Kiefer
Emily Crofton Martin
Heather Min
Amasa Eythan Monroe
Linaka Norman
Allee Lane Olive
Nicholas Thomas Perfetto
Katelyn Adams Rowell
Judith Jessica Smith
Kendra Leigh Sorenson
Caitlin Jenna Tarantiles
Tasha Lanelle Thompson
Alejandra Velasco
Briana Nicole Woody

The School of Government

ESTABLISHED 2001
Dean Michael R. Smith

MASTER OF PUBLIC ADMINISTRATION
Matthew William Teal

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

MASTER OF SCIENCE IN INFORMATION SCIENCE
Laura D. Ashcraft
Eun Jeong Cheon
Brendan D. Ferreri-Hanberry
James Kent Geer
Xuxiang Mao
Erin Kelsey Moore
Stefanie Nicole Protasowicki

MASTER OF SCIENCE IN LIBRARY SCIENCE
Elizabeth Brooke Guthrie
Caroline Louisa Borden Hallam
Rhonda Donyell Jones
Travis Lee Jones
Amanda Brooke Tickner
Jaci Paige Wilkinson

The School of Medicine

ESTABLISHED 1879

Dean William L. Roper

DOCTOR OF PHYSICAL THERAPY

Christopher K. Ball
Sabina Rita Beckler
Mark L. Boles
Deidra Ellen Debnam
Heather L. Eustis
Caitlin M. Gallagher
Amy Katherine Gwynn
Derval A. Hamilton
Elizabeth Blair Hartney
Cara Hehn
Jayson Hull
Michael F. Irr
Gary E. Johnson
Mae Chandler Langford
Nicholas Christopher Mang
Patrick Anthony McNamara
Thomas Reid Medlin
Joseph W. Miller
James Bryan Mull
Michael Murray
Andrew W. Newman
Laura G. Rapp
Jonathan Lee Samuelson
Jessica N. Skeeter
Brittany T. Stapleton
Lorna Marjorie Troost
Sarah Svetkey Van Der Horst

MASTER OF RADIOLOGIC SCIENCE

Shawne Barnes

The School of Nursing

ESTABLISHED 1950

Interim Dean Donna S. Havens

MASTER OF SCIENCE IN NURSING

Vincent Hsuan-Ju Lee
Jessica Marie Scirica
Dawn M. Winter

The Gillings School of Global Public Health

ESTABLISHED 1939

Dean Barbara K. Rimer

MASTER OF PUBLIC HEALTH

Brian Timothy Antono
Marina Arvanitis
Ndang Ngong Azang-Njaah
Amanda June Bissell
Michael James Chagaris
Michael Brian Clay Jr.
Sasha Marie Coefield
Cary Christopher Cotton
Leila Christine Dal Santo
Neal Arledge deJong
Jessica Lauren Friedman
William M. Garneau
Samuel Aaron Glaubiger
Christina Marie Gonzalez
Marisa F. Hopper
Ruhiyyih Rosina Kilgore
Rouba Kouwatli
Holly Amber Krohn
Makda Isabella Majette
James Perry Mayo
Kathleen Frances McGinley
Brianna Fleming Meier
Linda Mensing
Caroline Leigh Messerschmidt
Nwora Lance Okeke
Kerry E. Phillips
Hallie Evenstar Ericson Pritchett
Denny Scaria
Jenny Jiayan Shen
Jennica Page Siddle
Benjamin Rawsthorne Thomas
Kevin Matthew White
Celeste Elena Williams
Elizabeth Anne Williams
Charles Thomas Wood
James Nathan Yarnall

MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Heather Boyette Dew
Monica Ann Kuroki

MASTER OF SCIENCE IN PUBLIC HEALTH

May Chen
Ashley Nicole Cobb
Leslie Anne Derosset
William A. Gerhard
John Michael Gilles
Hannah Gordon Leker
Kari Ann Samuel
Laurel Slough

The School of Social Work

ESTABLISHED 1920

Dean Jack M. Richman

MASTER OF SOCIAL WORK

Emily Ruth Abernathy
Earl Robert Forbes

BACCALAUREATE DEGREES

August 2015

The College of Arts and Sciences

ESTABLISHED 1795
Dean Karen M. Gil

BACHELOR OF ARTS

African and Afro-American Studies
Olivia Henderson

American Studies
Steven Ray Long
Amber Danielle McDowell
Anne Gilbert Symons
Hannah Cerene Tobin

Anthropology
Raul Antonio Barrios-Genie III
Alexa Leigh Betze
Taylor Kyer-Flood
Bill Peter Pappas
Charlotte Elizabeth Randolph

Art History
Eleanor Boland Sheehan
Jing Wang

Asian Studies
Arsalan Javed
Hallie Kathleen Kirkman
Alexis L. Rose

Biology
Reena Rani Aggarwal
Johnny Andres Camargo
Hannah J. Cheung
Jennifer Belinda Faber
Ariel Joi Harris
Alexander Ravi Lowell Jhirad
Amy Ilana Kalinowski
Amanda Nicole Koch
Inna L. Kovaleva
Daniel Gildas Pierre Ky
Christopher Andrew Maglione
Benjamin Isai Martinez
Elizabeth Sinclair McLean
Nicole Rose Mogensen
Leslie P. Nguyen
Kiera Annabel Patanella*
Andrew Michael Pierce
James Ryan Pittman
Hannah Noel Stinson
Melissa Tebaldi
Joseph Zachary Theriot
Elisabeth Mary Thinh
Shelly Ann Toney
Bao Tram Thi Tran
Nakiya T. Whitfield

Chemistry
Kerry A. Dillon*
Ashley Alana Harris
Ashli Huynh
Alec Jermaine Richardson
Nicholas Hargobind Singh
Nicholas J. Weimer*

Communication Studies
Kayla Lynn Adams
Carrie Goldsmith Aldrich*
Paul Tanner Barcus
Bailey Elizabeth Barger*
Kenan Henderson Bateman
Aaron Tyler Bowen
Bart Wilson Broadwell Jr.
Jennifer Anne Bryson*
Walker Balharry Chafee
Alexis Nicole Covington
Elliot Gil Darrow
Emily Marie DeSimone
Megan Dickerman
Alexander Mac Dixon
Nicolaus Anthony Dubreuil
Michael Patrick Ewing
Andrew Terence Flynn-Hays
Laura Caroline Gauger
Andrew Manning Harrell
Ashlee Andriel Hicks
Jennifer Lindsey Hicks
Claire Boatwright Holt
Rachel E. Johnson
Kelsey Lynn Kolojejchick
Hrisanthi Kroi
Mbongeni Ndabenhle Mahluza
Emily Elizabeth Mann
Edward Oliver Marth
Matthew Harper Owens
Gustavo Luis Pacheco
Bill Peter Pappas
Regan Michelle Patterson*
Caroline Elizabeth Price
Dakota Thomas Proctor*
Safwa Saied
Erin Mary Sands*
Kayla L. Slake
Chad Christopher Tutton
Rachel Ivy Wolf

Computer Science
Tony Bo
Jordan Alan Edwards
Jonathan Riley McCorkle
Austin Schneider
Pearl Elizabeth Sortman
Cameron Michael Wall
Jonathan Howell Woltz

Dramatic Art
Abigail Iris Coryell
Elliot Gil Darrow
Robert C. Peele
Dakota Thomas Proctor*
Richard James Walden

Economics
Josue Aaron Adrianzen
Raul Antonio Barrios-Genie III
Erin Taylor Bueno
Cole William Caplan
Garrett Flynn Cook
Thomas Bullard Crenshaw
Michael Patrick Dalton
Joseph Omer Earnshaw III
John DeWalden Eller IV
Stewart Milton Elmore
Michael Patrick Ewing
Giovanna Fiore Pere
Amanda Pearl Frankel*
Brian Andrew Fuller
Peyton Colby George*
Fangzhong Guan
James Harold Guidotti
Alexander Lee Guzman
Lucas Raul Huet-Hudson
Aamir Karimi
Tess Landon
Andrew Chester Lubanski
Diego A. Malaver
Carla Daniela Marin
Jonathan Riley McCorkle
Evan Mitchell Mobley
Nelson W. Moore
Peter H. Nguyen
Lamont Jamal O'Neal
Reid White Palmer
Junhan Park
Daniel Christopher Pigeon
Zach Reece
Henry Fain Roseman
Cameron O'Connell Skidmore
Hannah Madison Smith
Jeffrey Wellington Smith Jr.
Kirk Eric Smith
John Andrew Sweeney
Matthew Phillip Thacker
Nicholas K. Walker
Ryan J. Walling
John Parker Ward
Yanbing Wei
Yida Wu
Victor Xiao Zhao

English
Alexandria Delana Agbaje
Isabella Buckley Desantis
Jocelyn Ariel Byer
Adesua Priscilla Edgal
Savannah T. Gerlach
Grace Angelica Harvey
Alyssa Nicole Jennings+
David Jordan Kagan*
Rebecca Miller
Caitlin Poore
Ellen Marie Pope
Sara Kaitlin Russell
Eleanor Boland Sheehan
Ethan C. Terrill

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Timothy Thomas
Annmarie Tonog
Katherine M. Williamson

Environmental Studies
Caleb Z. Cates
Quinton Adam Grady
John Brendon Greene

Exercise and Sport Science
Ashley Elizabeth Bowers
Latifah Coleman
Alicia Dawn Conway
Mary Ellen Crawley
Keelon Jemall Dixon
Duc K. Doan
Ariel Adele Esperancilla
Matthew R. Eubanks**
Sally Patterson Fallanca
Alison Miriah Fluharty
Ryan Gilbert Fox
Taylor Wayne Fraley
Gabriella Maria Gaje
Daniel J. Gerowitz
Cameron Gunn
Andrew Patrick Harkins
Arthur L. Hicks Jr.
Deborah Hugh
Chasity Monique Kea
Liliana C. Lopez
Casie Lauren Matthews
James V. Matthews
Timothy C. McAllister
Nicole Rose Mogensen
Quaston Monterio Murray
Leslie P. Nguyen
Christian Parrish
Brittany Latoya Rountree
Benjamin T. Salkeld
Nathaniel Ian Shaw
Kyle James Shipp
Jackson Brett Simmons
Margaret Alexis Stafford
Sarah Fraley Stewart
Veronica Trujillo-Cuadrado
Carolina Velasquez
Ryan J. Walling
Nicholas Kane Watson
Kendall Mackenzie Weavil
Tyler Kenneth Westall
Samuel David Wheeler
Suzanne Holland Woodbury
William Dwayne Youhouse
Charlotte Dorais Zahringer

Geography
Shakeelah Marie Carter
Naomi Josephine Roznik

Geological Sciences
Justin Amadeus Olortegui

Germanic and Slavic Languages and Literatures
Elizabeth Anne Lombardo

Global Studies
Naomi Elizabeth Baumann-Carbrey
Adriann Nicole Bennett
Amy Michelle Bourret
Michelle Stephanie Carreno
Casey Lynn Crow
Marcus Adrian Elizondo
Ariel Adele Esperancilla
Hyun-Joon D. Kim
Hallie Kathleen Kirkman
Carla Daniela Marin
Eliseo Feria Mejia
Daniel Ryan Mendenhall
Olutoyosi Oyenibi Oyelowo
Aashni A. Ruwala
William A. Thorp
Soumya Vishwanath

History
Rachel Marie Aguiar
William Burwell Cook
Megan Dickerman
Logan Grant Greenwood
Cameron Gunn
Caitlin Judd
Shuo Li
Alexandra Maria Margherio
Aaron Tait Pittman
Jacob Walker Toomey
David Dalton Warren

Interdisciplinary Studies
Carter Perrier Helling

Linguistics
Taylor Nicole Black
Jessica D. Moore

Management and Society
Spencer Oakley Cathey
Patrick James Lamb
Kaysha A. Lampkins
Quinton Ryan Locklear
William T. Newton
Emily Kay Ocker
Pokita Shanee Pollard

Mathematics
Zineb Sofia Bouzoubaa
David Thomas Culhane
Matthew Adam Feld
Claudia M. Holtsclaw
James Murphy Hoopes*
Emily Kathryn Justice
Nelson W. Moore
Hilary Michelle Ragin
Yuyang Wu
Weiyu Zheng

Music
Taylor Nicole Black
Paul Z. Ikalowych
Rachel Johnson**++
Robert C. Peele
Leslie Wickham III

Peace, War and Defense
Joseph Jacob Hinton
Matthew Claborne Holt
Zachary Smith Lassiter
James P. Parham
Lawrence Cleland Rust
Melissa Tebaldi

Matthew Phillip Thacker
Darnell Alexander Watts

Philosophy
Zachary W. Bijesse
David George Budway
Chloe Noel Griffin
Lucas Raul Huet-Hudson
Alexander Joseph Nolette
Nor Ortiz
Daniel Christopher Pigeon
Sara Kaitlin Russell
Ethan C. Terrill
Timothy Thomas
Mark Stephen Webster II
Brian Michael Whalen

Physics
Sarah C. Burnett
Daniel Max Goldfarb
Justin Yu
Victor Xiao Zhao

Political Science
Samuel Breen Abrams
Antavious Montrelle Ashe
Kane W. Borders
Chad Bruce Boykin
Richard Bryce Bruncati
Garrett Flynn Cook
Casey Lynn Crow+
Joseph Omer Earnshaw III
Abtin Erfani
David P. Harrison
Sarah Nichols Headley
Joseph Jacob Hinton
Melissa Louise Kozoman
Jin-Yong Lee
Sooyoon Lee
Shuo Li
Max E. Miceli
Sammy Naji
Roma Roshan Parikh
Hannah Madison Smith
Sarah Grace Walt
Darnell Alexander Watts
Erika Nicole Williams

Psychology
Joshua Allan Adler
Antavious Montrelle Ashe
Joseph Christopher Bastine
Anesia Latrice Baugh
Alexa Leigh Betze
Amy Michelle Bourret
Elliott Norvell Bowles
Grace Ayers Brewer
Emma Brink
Emily Burns
Virginia Leigh Davis
Christian Neale D'Rozario
Vallari Rose Eastman
Paula Espinosa
Alison Miriah Fluharty
Dustin Luke Gantos
Michael Taylor Garey
Ariel Joi Harris
William Alston Henline
Lindsey Noel Hooker
Brittany Lee Jackson
Taylor N. Jackson
Shelby Taylor Jones
Chasity Monique Kea
Noog Nkauj Cherish Khang
Madeleine Robin Kyger
Liliana C. Lopez
Christopher Andrew Maglione
McKenzie S. Mayo
Jessica D. Moore
Lisa Dang Nguyen
Katty Yelitza Nino
Jeffrey Thomas O'Regan
Christina Marie Stanton
John Andrew Sweeney
Jonathan Daniel Tallmer
Bao Tram Thi Tran
Alexis Danaya Tremble
Stephanie Leigh Wakeford
Allison Ferriday Werk

Public Policy
Kalkidan Berhanu Aberra
Josue Aaron Adrianzen
Vallari Rose Eastman
Laura Caroline Gauger
Crystelle Tape'

Religious Studies
Christopher Fulbright Chang

Romance Languages
Chelsee Brooke Bibb
Daniel Edward Dinkins
Seth Anthony Entwistle*
Lindsay Erin Franco
Ashley Alana Harris
Rachel Johnson**
Sarah Catherine Landis
Benjamin D. Lewis*
Daniel Ryan Mendenhall
Leon Daniel Poplawski
Lauren Marie Stephenson
Katherine M. Williamson

Sociology
Zachary W. Bijesse
Julia Paige Boyle
Jessica Marie Dean
Nicholas Ellis Duncan
Erin K. Flannelly
Desmond Hubert
Amber Danielle McDowell
George R. Woltz

Studio Art
Annie Maxine Clontz
Jacob Griffin King
Kerry Lee O'Shea
Anne Gilbert Symons

Women's and Gender Studies
Taylor Rebecca Beyle
Allison H. Davis
Mariah Mechelle Earle

BACHELOR OF FINE ARTS
Rachel E. Johnson+
Caitlin Poore

BACHELOR OF MUSIC
Kaitlyn Marie Michalak

BACHELOR OF SCIENCE
Applied Science
Michael Anthony Bond
Ye Luo
Shyam R. Patel
Jeffrey Powell
Kevin Richard Simpson

Biology
Michael Timothy Bien
Brooke Laurel Bollinger
Kameron Matthew Bright
Victoria Jane Candler
Alberto Andres Castro
Christopher Fulbright Chang
Eric H. Dean
Kerry A. Dillon*
Alexander Cole Edwards**
Katharine N. Ellen
Samuel Thomas Garver
Daniel Max Goldfarb
Cristen M. Hardin
William S. Harris
Austin T. Hyde
Jenna Leanne Kelly
Min J. Kim
Enoch Mwesigwa Kisubika
Erika Nicole Joyce Lessane
Diego A. Malaver
Rita Marie Celine Meganck**
David Mark Mills
Sudarshan Jayasri Mohan
Kimberly Anne Nellenbach
Onyemaechi Chikezie Nwanaji-Enwerem
Jermaine Osei-Tutu
Charles Sutton Reed
Zachary William Rubin
Alexander Kekoa Saunders
Bruno Dominic Segovia-Chumbez
Michael A. Valore
Soumya Vishwanath
Jiejing Cui Zhang

Chemistry
Christopher Joseph Peters
Justin Yu

Computer Science
Jared Thomas Beckham
Matthew Adam Feld
Anna Duboscq Flynn
Nikki Ann Grinberg
Joshua Landry
Matthew Wroblewski

Environmental Sciences
Sara Louise Farrell
Brandi Lee Martin
Charles Sutton Reed

Geological Sciences
Ronald Lipscomb
Matthew R. McClanahan
Patrick F. Stovall
Amanda Marie Sutter

Mathematical Decision Sciences
Gasser Elsayed
Tammy Angela Lee

Mathematics
Sarah C. Burnett+
Gilberto Gonzalez Cornejo
Christopher Michael Grant
Zachary Jonathan Smathers
Cameron Michael Wall

* *Indicates degree with distinction based on grade point average.*

** *Indicates degree with highest distinction based on grade point average.*

\+ *Indicates Honors recipients.*

++ *Indicates Highest Honors recipients.*

Psychology
Troy Michael Combs
Marcus Adrian Elizondo
Erin Renee Farmer
Peyton Colby George*
Keunseok Hur
Katrina Lee Lawrence
Timothy C. McAllister
Elizabeth Sinclair McLean
Rachel Caroline Medlin
Brittany Nicoll Smith
Sarah Fraley Stewart
Zachery T. Surbeck
Amia Zoe Walker
Sloan Evan Rhyne Walters**++
Elena Maria Wong

The Kenan-Flagler Business School

ESTABLISHED 1919
Dean Douglas A. Shackelford

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION
Brittany Leighanne Best
Shiyun Chai*
Jonathan Tucker Cross*
Noble Brooks Fowler
Alejandra Cris Rodriguez
Brian Michael Whalen

The School of Dentistry

ESTABLISHED 1949
Dean Jane A. Weintraub

BACHELOR OF SCIENCE IN DENTAL HYGIENE
Madison Alyssa Herndon
Leighann Scheetz*

The School of Education

ESTABLISHED 1885
Dean G. Williamson McDiarmid

BACHELOR OF ARTS IN EDUCATION
Adesua Priscilla Edgal
Brittanie Lashea Howard
George Sullivan
Angela Zhou

The School of Information and Library Science

ESTABLISHED 1931
Dean Gary Marchionini

BACHELOR OF SCIENCE IN INFORMATION SCIENCE
Patrick James Hodges
Noog Nkauj Cherish Khang
Brian Clay Leonard
Kaitlyn Marie Michalak
Nor Ortiz

The School of Media and Journalism

ESTABLISHED 1924
Dean Susan Robinson King

BACHELOR OF ARTS IN JOURNALISM AND MASS COMMUNICATION
Alyssa Anne Armstrong
Taylor Marie Baird
Kenan Henderson Bateman
Robert Earl Berges
James Joseph Bitter
Trevor Andrew Casey
Anna Elise Elkins
John Kimutai Elolia
Katie Camren Fiore
Lindsay Erin Franco
Christopher J. Graves
Julianna Linda Hill
Shweta Hitesh Jani
Alyssa Nicole Jennings
Haley Harford Kabus
Alexandra Stanislavna Kanarski
Hrisanthi Kroi
Daniel U. Lockwood
Emily Elizabeth Mann+
Max E. Miceli
David R. Pingree
Chantrel Denise Reynolds
Cameron Taylor Robert
Tyler J. Rouse
Kristin Leigh Ruffin
Juliana Semerene
Adria Blair Shuford
Lucero E. Sifuentes
Jennifer Tietnguyen
James Lawson Waugh
Elizabeth Lawrence Weir
Mary Helen Yount

The School of Medicine

ESTABLISHED 1879
Dean William L. Roper

BACHELOR OF SCIENCE IN RADIOLOGIC SCIENCE
Melissa Uriostegui Lang

The School of Nursing

ESTABLISHED 1950
Dean Donna S. Havens

BACHELOR OF SCIENCE IN NURSING
Zachary Reid Allen
Leslie Castrejon

The Eshelman School of Pharmacy

ESTABLISHED 1897
Dean Robert A. Blouin

BACHELOR OF SCIENCE IN PHARMACEUTICAL SCIENCES
Alec Wade Ginsberg

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

BACHELOR OF SCIENCE IN PUBLIC HEALTH
Zineb Sofia Bouzoubaa
Elizabeth Virginia Fogleman
Christopher Michael Grant
Sudarshan Jayasri Mohan
Preetha Naidu
Lauren S. Toppin
Jiejing Cui Zhang

Graduates Commissioned in the Armed Forces

AUGUST 2015

UNITED STATES ARMY SECOND LIEUTENANT
Lauren Marie Stephenson

CERTIFICATES

August 2015

Postbaccalaureate Certificates

The School of Media and Journalism

ESTABLISHED 1924
Dean Susan Robinson King

CERTIFICATE IN TECHNOLOGY AND COMMUNICATION
Jessica Danielle Dohy
Andrea Stettler Martin
Robert Hamilton McCorkindale III
Eugene Branson Moore
Kelly Rebecca Paul

The Gillings School of Global Public Health

ESTABLISHED 1939
Dean Barbara K. Rimer

CERTIFICATE IN CORE PUBLIC HEALTH CONCEPTS
Jason Lynn Bolen
Jennifer Margaret Price
Javier Rivera Guzman
Timothy William Rodriguez
Elise Adriana Stave
Megan Mackenzie Telfer
Cocoa Tucker

CERTIFICATE IN FIELD EPIDEMIOLOGY
David Charles Hill
Stephanie Diane Kruchten

CERTIFICATE IN GLOBAL HEALTH
Erin O'Branski
Mary Anne Rhyne
Erin Jessica Stibral

ACADEMIC DRESS

The following information, based in part on An Academic Costume Code and Ceremony Guide (published by the American Council on Education), may be helpful in identifying academic attire worn during UNC's Commencement exercises.

DEGREE CANDIDATES' REGALIA. The University's bachelor's gown is both Carolina blue and truly green, as in sustainably made. The fabric for the True Blue gown is made from 100 percent post-consumer recycled plastic bottles (23 bottles for each gown) and is manufactured at mills in the Carolinas. The information about the gown's sustainability is suitably printed directly on the cloth, without the use of an extra label. In addition to being dyed a custom Carolina blue color, the True Blue gowns also have a streamlined fit, with white piping along the yoke and two white panels in front. The tassels are blue and white, topped with a silver-colored Old Well medallion. An optional accessory is an embroidered white stole that the graduate may give to a parent in gratitude after the Commencement ceremony.

The untrimmed, black master's gown has a hood and an oblong sleeve, open at the wrist, that hangs nearly to the ground; the back part of its oblong shape is square cut and the arc in the front is cut away. The hooded doctoral gown features three bars across each sleeve. In 1999, the Faculty Council authorized a special doctoral gown for Carolina graduates. It is Carolina blue, with facings and crossbars of dark blue outlined in white piping. The facings bear the shield of the University supported by the torches of learning.

The hoods of master's and doctoral degree candidates vary in color according to the field of study (see list below).

FACULTY REGALIA. Faculty wear the regalia of the institution that conferred their highest degree. The doctoral gowns are usually faced with black velvet, although the color of the velvet may vary according to the field of study. Hoods, which differ in length according to the level of the degree held, are lined with official colors of the university or college that conferred the degree, usually with one color forming a chevron pattern over the other. Some colors you will see on faculty and administrators' robes are, for example, the crimson of Harvard, the maroon of Chicago, the orange and black of Princeton, the dark blue of Yale, and the light blue and white of North Carolina.

Like the hoods of master's and doctoral degree candidates, faculty hoods are edged and bound with velvet in the color appropriate to the field of study. The colors in the hoods and gowns of faculty and administrators represent the following fields in which degrees were taken:

APRICOT: Nursing
BROWN: Fine Arts
CITRON: Social Work
CRIMSON: Journalism
DARK BLUE: Philosophy
GOLDEN YELLOW: Science
GREEN: Medicine
LEMON YELLOW: Library Science
LIGHT BLUE: Education
LILAC: Dentistry
OLIVE GREEN: Pharmacy
ORANGE: Engineering
PEACOCK BLUE: Public Administration
PINK: Music
PURPLE: Law
SAGE GREEN: Physical Education
SALMON PINK: Public Health
SCARLET: Theology
YELLOW BROWN: Commerce, Business, Accountancy
WHITE: Arts, Letters, Humanities

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This program was printed without the use of state funds.

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